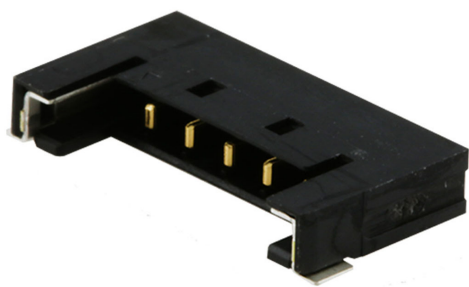




**Part Number :** [5040500391](#)  
**Product Description :** 1.50mm Pitch, Pico-Lock  
PCB Header, Single Row, Right-Angle, Surface  
Mount, Gold (Au) Plating, Positive Lock, 3  
Circuits, Tape and Reel  
**Series Number :** 504050  
**Status :** Active  
**Product Category :** PCB Headers and  
Receptacles



## Documents & Resources

**Drawings**  
[5040500391\\_sd.pdf](#)

**3D Models and Design Files**  
[5040500391.dxf](#)  
[5040500391.pdf](#)  
[5040500391\\_stp.zip](#)

**Specifications**  
[AS-504051-001-001.pdf](#)  
[SPK-504050-001-001.pdf](#)  
[5040511001-PS-000.pdf](#)  
[PS-504051-001-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 33; 34                                                   |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                        |
| REACH SVHC         | Not Contained per D(2024)6225-DC (07 Nov 2024)                                        |
| EU RoHS            | Compliant per EU 2015/863                                                             |

Multiple Part Product Compliance Statements  
- Eu RoHS

- REACH SVHC

- Low-Halogen

#### Multiple Part Industry Compliance Documents

- IPC 1752A Class C

- IPC 1752A Class D

- Molex Product Compliance Declaration

- IEC-62474

- chemSHERPA (xml)

#### EU RoHS Certificate of Compliance

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## Part Details

### General

|                |                                                                                                                                         |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                  |
| Category       | PCB Headers and Receptacles                                                                                                             |
| Series         | 504050                                                                                                                                  |
| Description    | 1.50mm Pitch, Pico-Lock PCB Header, Single Row, Right-Angle, Surface Mount, Gold (Au) Plating, Positive Lock, 3 Circuits, Tape and Reel |
| Application    | Signal, Wire-to-Board                                                                                                                   |
| Comments       | See Molex product specification PS-504051-001 for additional current de-rating information                                              |
| Component Type | PCB Header                                                                                                                              |
| Product Name   | Pico-Lock                                                                                                                               |
| UPC            | 191128805049                                                                                                                            |

### Agency

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

### Electrical

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 3.5A             |
| Voltage - Maximum             | 150V AC (RMS)/DC |

### Physical

|           |    |
|-----------|----|
| Breakaway | No |
|-----------|----|

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 3                              |
| Circuits (maximum)             | 3                              |
| 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                     | 109.960/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                             |
| Temperature Range - Operating  | -40° to +105°C                 |
| Termination Interface Style    | Surface Mount                  |

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## Mates With / Use With

### Mates with Part(s)

| Description                                            | Part Number   |
|--------------------------------------------------------|---------------|
| 1.50mm Pitch, Pico-Lock Single Row Receptacle Housings | <u>504051</u> |

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