



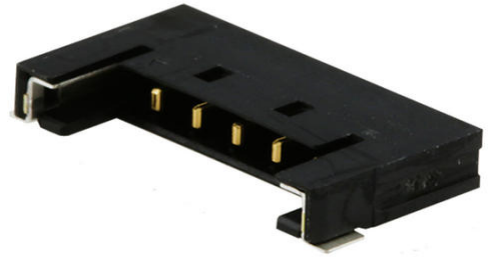
**Part Number :** [5040500291](#)

**Product Description :** 1.50mm Pitch, Pico-Lock PCB Header, Single Row, Right-Angle, Surface Mount, Gold (Au) Plating, Positive Lock, 2 Circuits, Tape and Reel

**Series Number :** 504050

**Status :** Active

**Product Category :** PCB Headers and Receptacles



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## Documents and Resources

### Drawings

[5040500291\\_sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

[5040500291.dxf](#)

### Specifications

[AS-504051-001-001.pdf](#)

[SPK-504050-001-001.pdf](#)


[5040511001-PS-000.pdf](#)

[PS-504051-001-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 33; 34
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)

EU RoHS	Compliant per EU 2015/863
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### Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

### Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

### Substances of Interest

- PFAS

### EU RoHS Certificate of Compliance

### Additional Product Compliance Information

## 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, 2 Circuits, Tape and Reel
Application	Wire-to-Board
Comments	See Molex product specification PS-504051-001 for additional current de-rating information
Component Type	PCB Header
Keyword	Pico-Lock 1.5
Product Name	Pico-Lock
UPC	191128805025

### Agency

CSA	LR19980
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UL	E29179
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## Electrical

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

## Physical

Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-0
Gender	Male
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 - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
Net Weight	93.180/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
Plating min - Termination	1.000µm
Polarized to Mating Part	Yes
Shrouded	Shrouded
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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