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Part Number: [5040500591](#)
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, 5 Circuits, Tape and Reel

Documents:

| | |
|---|---|
| 3D Model (PDF) | Application Specification AS-504051-001-001 (PDF) |
| Drawing (PDF) | Packaging Specification SPK-504050-001-001 (PDF) |
| 3D Model | Datasheet (PDF) |
| Product Specification 5040511001-PS-000 (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-504051-001-001 (PDF) | |

Agency Certification

CSA LR19980

General

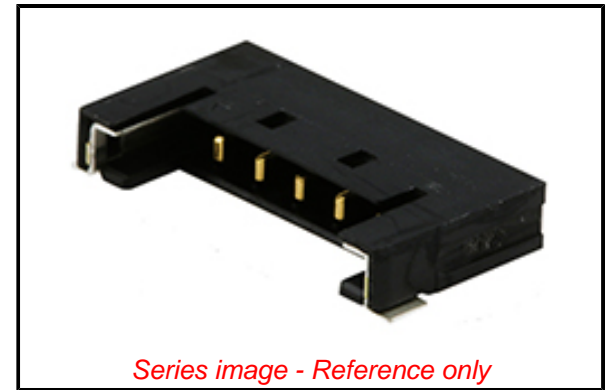
| | |
|----------------|--|
| Product Family | PCB Headers |
| Series | 504050 |
| Application | Signal, Wire-to-Board |
| Overview | Pico-Lock Connector System |
| Product Name | Pico-Lock |
| UPC | 889056241885 |

Physical

| | |
|--------------------------------|--------------------------------|
| Breakaway | No |
| Circuits (Loaded) | 5 |
| Circuits (maximum) | 5 |
| Color - Resin | Black |
| Durability (mating cycles max) | 30 |
| First Mate / Last Break | No |
| 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 | 143.220/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 |

Electrical

| | |
|-------------------------------|------------------|
| Current - Maximum per Contact | 2.0A |
| Voltage - Maximum | 150V AC (RMS)/DC |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

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](#)
Pico-Lock Cable Assembly [15132](#)

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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