

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [5040500491](#)
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, 4 Circuits, Tape and Reel

Documents:

Drawing (PDF)	Product Specification PS-504051-001-001 (PDF)
2D Drawing DXF (PDF)	Application Specification AS-504051-001-001 (PDF)
2D Drawing (DXF)	Packaging Specification SPK-504050-001-001 (PDF)
3D Model	Datasheet (PDF)
3D Model (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification 5040511001-PS-000 (PDF)	

Agency Certification

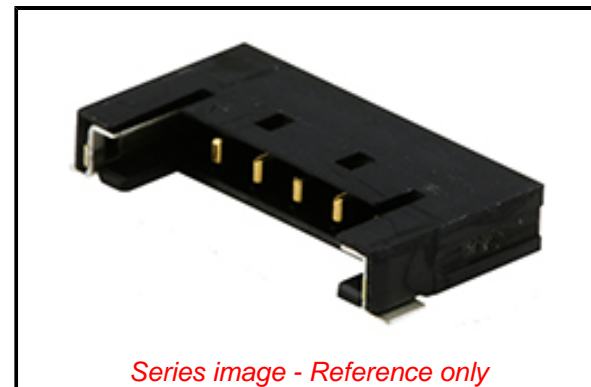
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	504050
Application	Signal, Wire-to-Board
Component Type	PCB Header
Overview	Pico-Lock Connector System
Product Name	Pico-Lock
Taxonomy	PCB Headers and Receptacles
UPC	887191335353

Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
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	126.640/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](#)
Pico-Lock Cable Assembly [15132](#)

Electrical

Current - Maximum per Contact

3.0A

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

This document was generated on 01/20/2023

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION