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Part Number: [5040501291](#)
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, 12 Circuits, Tape and Reel

Documents:

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

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	504050
Application	Signal, Wire-to-Board
Overview	Pico-Lock Connector System
Product Name	Pico-Lock
UPC	887191541518

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
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	260.100/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
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Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)9139-DC (19
Jan 2021)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[504050](#) Series

Mates With

Pico-Lock Crimp Housing [504051](#)
Pico-Lock Cable Assembly [15132](#)

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

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