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Part Number: [5037630691](#)
Status: **Active**
Overview: [Pico-Lock Connector System](#)
Description: 1.00mm Pitch, Pico-Lock PCB Header, Single Row, Right-Angle, Surface Mount, Gold over Nickel Plating, Positive Lock, 6 Circuits, Tape and Reel

Documents:

3D Model	Application Specification AS-503764-001-001 (PDF)
Drawing (PDF)	Packaging Specification SPK-503763-001-001 (PDF)
3D Model (PDF)	Datasheet (PDF)
Product Specification 5037641001-PS-000 (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-503764-001-001 (PDF)	

Agency Certification

UL E29179

General

Product Family	PCB Headers
Series	503763
Application	Signal, Wire-to-Board
Comments	See Molex product specification PS-503764-001 for additional current de-rating information
Overview	Pico-Lock Connector System
Product Name	Pico-Lock
UPC	191128847063

Physical

Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	SC-0
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	N/A
Lock to Mating Part	Yes
Mated Height	1.50mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Resin	High Temperature Thermoplastic
Net Weight	105.920/mg
Number of Rows	1
Orientation	Right Angle
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	1.00mm
Pitch - Termination Interface	1.00mm
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



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

[503763](#) Series

Mates With

Pico-Lock Crimp Housing [503764](#)

Current - Maximum per Contact
Voltage - Maximum

2.5A
150V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Application Specification
Packaging Specification
Product Specification
Sales Drawing

AS-503764-001-001
SPK-503763-001-001
5037641001-PS-000, PS-503764-001-001
5037630000-SD-000

This document was generated on 10/04/2021

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