molex



Part Number : 5037630291
Product Description : 1.00mm Pitch, Pico-Lock PCB Header, Single Row, Right-Angle, Surface Mount, Gold over Nickel Plating, Positive Lock, 2 Circuits, Tape and Reel
Series Number : 503763
Status : Active
Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings

5037630291_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

5037630291.dxf

Specifications

AS-503764-001-001.pdf

SPK-503763-001-001.pdf

5037641001-PS-000.pdf

PS-503764-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
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)4165-DC

	(25 June 2025)
EU RoHS	Compliant per EU 2015/863

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	503763
Description	1.00mm Pitch, Pico-Lock PCB Header, Single Row, Right-Angle, Surface Mount, Gold over Nickel Plating, Positive Lock, 2 Circuits, Tape and Reel
Application	Signal, Wire-to-Board
Component Type	PCB Header
Product Name	Pico-Lock
UPC	887191579337

Agency

UL	E29179

Electrical

Current - Maximum per Contact	1.5A

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
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 - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
Net Weight	47.560/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
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Surface Mount

Mates With / Use With

Mates with Part(s)

Description	Part Number

1.00mm Pitch, Pico-Lock Single Row Receptacle Housings	503764
Pico-Lock-to-Pico-Lock Off-the-Shelf (OTS) Cable Assemblies	15131