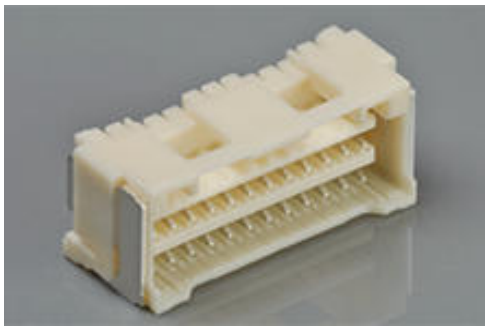
molex



Part Number : 5031481091
Product Description : 1.50mm Pitch, CLIK-Mate PCB Receptacle, Dual Row, Surface Mount, Right-Angle, Tin Plating, Positive Lock, 10 Circuits, Black
Series Number : 503148
Status : Active
Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings

5031481091_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

5031481091.dxf

Specifications

AS-503149-001-001.pdf

SPK-503148-001-001.pdf

5031491001-PS-000.pdf

5031490001-PS-000.pdf

5031491004-PS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not 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	503148
Description	1.50mm Pitch, CLIK-Mate PCB Receptacle, Dual Row, Surface Mount, Right-Angle, Tin Plating, Positive Lock, 10 Circuits, Black
Application	Signal, Wire-to-Board
Component Type	PCB Receptacle
Product Name	CLIK-Mate
UPC	800756934617

Agency

UL	E29179

Electrical

Current - Maximum per Contact	1.0A

Voltage - Maximum	100V

Physical

Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Capable	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Mated Height	9.20mm
Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyamide
Net Weight	1489.001/mg
Number of Rows	2
Orientation	Right Angle
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	Yes
PCB Thickness - Recommended	1.20mm, 1.70mm
Pitch - Mating Interface	1.50mm
Pitch - Termination Interface	0.75mm
Polarized to Mating Part	Yes
Polarized to PCB	No
Robotic Placement	Vacuum Pick-Up Area
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
1.50mm Pitch CLIK-Mate Dual Row Plug Housings	503149