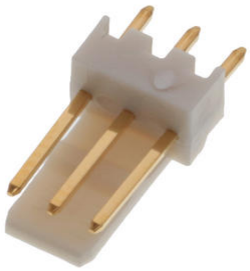
Part Number : 22111031
Product Description : Mini-Latch / KK Wire-to-Board Header, Vertical, with Friction Ramp, 3 Circuits, Gold (Au) Plating, Natural
Series Number : 5045
Status : Active
Product Category : PCB Headers and Receptacles
Engineering Number : 5045-03AG



Documents & Resources

Drawings

022111031_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

511910000-AS-001.pdf

511910000-AS-000.pdf

SPK-5045-002-001.pdf

PS-5045-003-001.pdf

PS-5045-004-001.pdf

50510002-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	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	5045
Description	Mini-Latch / KK Wire-to-Board Header, Vertical, with Friction Ramp, 3 Circuits, Gold (Au) Plating, Natural
Application	Signal, Wire-to-Board
Component Type	PCB Header
Product Name	KK,Mini-Latch
UPC	800753733138

Agency

UL	E29179

Electrical

Current - Maximum per Contact	3.0A

Voltage - Maximum	250V

Physical

Breakaway	No
Circuits (Loaded)	3
Circuits (maximum)	3
Color - Resin	Natural
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	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Polyamide
Net Weight	324.000/mg
Number of Rows	1
Orientation	Vertical
Packaging Type	Bag
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
PC Tail Length	3.40mm
Pitch - Mating Interface	2.50mm
Pitch - Termination Interface	2.50mm
Plating min - Mating	0.356µm
Plating min - Termination	0.356µm
Polarized to PCB	No
Shrouded	Partial
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

Mates With / Use With

Mates with Part(s)

Description	Part Number
KK 2.50mm Pitch Single Row Receptacle Housings	5051
Mini-Latch Receptacle Housings	51191