



**Part Number :** [22111031](#)

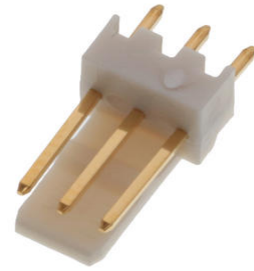
**Product Description :** Mini-Latch / KK Wire-to-Board Header, Vertical, with Friction Ramp, 3 Circuits, Gold (Au) Plating, Natural

**Series Number :** 5045

**Status :** Active

**Product Category :** PCB Headers and Receptacles

**Engineering Part Number :** 5045-03AG



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## Documents and 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](#)

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## 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)7771-DC (04 Feb 2026)
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	Wire-to-Board
Component Type	PCB Header
Product Name	KK,Mini-Latch
UPC	800753733138

### Agency

UL	E29179
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### Electrical

Current - Maximum per Contact	3.0A
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Voltage - Maximum	250V
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## 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
Gender	Male
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	No
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Polyamide (PA)
Mounting Style	Through Hole
Net Weight	324.000/mg
Number of Rows	1
Orientation	Vertical
Packaging Type	Bag
PCB Locator	No
PCB Retention	No
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	Partially Shrouded
Stackable	No

Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

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## Mates With / Use With

### Mates with Part(s)

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

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