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Part Number: [22-04-1081](#)
Status: **Active**
Overview: [Mini-Latch™ Wire-to-Board System](#)
Description: Mini-Latch™ Wire-to-Board Header, Vertical, with Friction Ramp, 8 Circuits, Tin (Sn) Plating

Documents:

- | | |
|---|--|
| 3D Model | Product Specification PS-5102-001 (PDF) |
| Drawing (PDF) | Product Specification PS-5102-002 (PDF) |
| Product Specification PS-5045-001 (PDF) | Product Specification PS-51191-002 (PDF) |
| Product Specification PS-5045-002 (PDF) | Packaging Specification SPK-5045-001 (PDF) |
| Product Specification PS-5051-001 (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-5051-005 (PDF) | |

Agency Certification

UL E29179

General

Product Family	PCB Headers
Series	5045
Application	Signal, Wire-to-Board
Overview	Mini-Latch™ Wire-to-Board System
Product Name	KK®
UPC	800753591257

Physical

Breakaway	No
Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	805.000/mg
Number of Rows	1
Orientation	Vertical
PC Tail Length	3.40mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Packaging Type	Bag
Pitch - Mating Interface	2.50mm
Pitch - Termination Interface	2.50mm
Plating min - Mating	5.080µm
Plating min - Termination	5.080µm
Polarized to PCB	No
Shrouded	Partial
Stackable	No

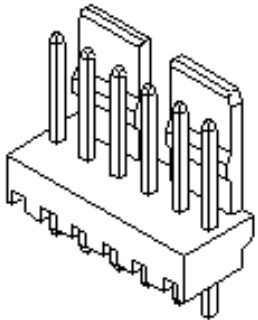


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Series

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Contains SVHC: No
Low-Halogen Status
Low-Halogen

China RoHS



**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series

[5045Series](#)

Mates With

KK® 2.50mm Housings [51191](#) , [5051](#)

Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	3.0A
Voltage - Maximum	250V
Material Info	
Old Part Number	5045-08A
Reference - Drawing Numbers	
Packaging Specification	SPK-5045-001
Product Specification	PS-5045-001, PS-5045-002, PS-5051-001, PS-5051-005, PS-5102-001, PS-5102-002, PS-51191-002, RPS-5045-001, RPS-51191-007
Sales Drawing	SD-5045-NA

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