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**Part Number:** [0022041081](#)  
**Status:** **Active**  
**Overview:** [Mini-Latch Wire-to-Board / Wire-to-Wire Connector System](#)  
**Description:** Mini-Latch / KK Wire-to-Board Header, Vertical, with Friction Ramp, 8 Circuits, Tin (Sn) Plating, Natural

**Documents:**

<a href="#">3D Model (PDF)</a>	<a href="#">Product Specification PS-5045-002-001 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Product Specification PS-5051-005-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Application Specification 511910000-AS-000 (PDF)</a>
<a href="#">Product Specification 50510002-PS-000 (PDF)</a>	<a href="#">Application Specification 511910000-AS-001 (PDF)</a>
<a href="#">Product Specification 511910000-PS-000 (PDF)</a>	<a href="#">Packaging Specification SPK-5045-001-001 (PDF)</a>
<a href="#">Product Specification PS-5045-001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

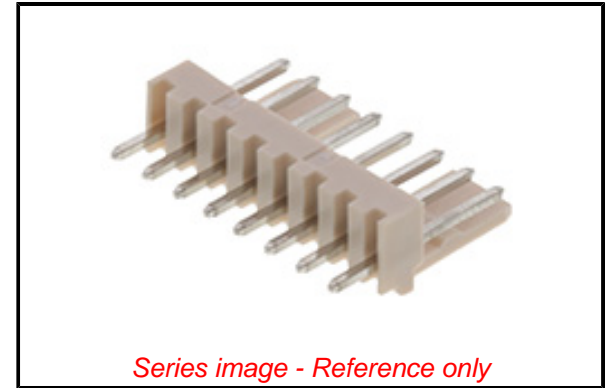
UL E29179

**General**

Product Family	PCB Headers
Series	<a href="#">5045</a>
Application	Signal, Wire-to-Board
Component Type	PCB Header
Overview	<a href="#">Mini-Latch Wire-to-Board / Wire-to-Wire Connector System</a>
Product Name	KK, Mini-Latch
Taxonomy	PCB Headers and Receptacles
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 Capable	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	Polyamide
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



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[5045 Series](#)

**Mates With**

2.50mm Pitch Housings [51191](#) , [5051](#)

Shrouded	Partial
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole

**Electrical**

Current - Maximum per Contact	3.0A
Voltage - Maximum	250V

**Material Info**

Engineering Number	5045-08A
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**Reference - Drawing Numbers**

Application Specification	511910000-AS-000, 511910000-AS-001
Packaging Specification	SPK-5045-001-001
Product Specification	50510002-PS-000, 511910000-PS-000, PS-5045-001-001, PS-5045-002-001, PS-5051-005-001
Sales Drawing	SD-5045-NA-001

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