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**Part Number:** [0022041041](#)  
**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, 4 Circuits, Tin (Sn) Plating, Natural

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Product Specification PS-5045-002-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Product Specification PS-5051-005-001 (PDF)</a>
<a href="#">3D Model</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**

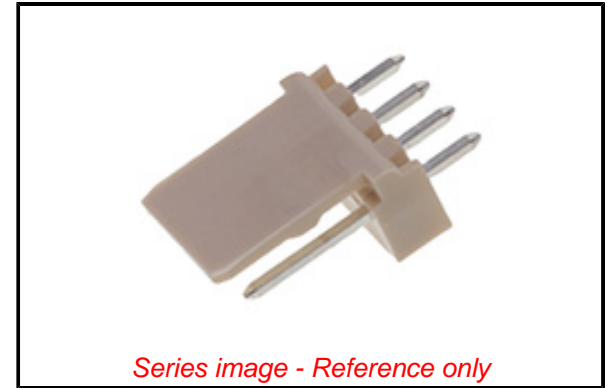
UL E29179

**General**

Product Family PCB Headers  
 Series [5045](#)  
 Application Signal, Wire-to-Board  
 Overview [Mini-Latch Wire-to-Board / Wire-to-Wire Connector System](#)  
 Product Name KK, Mini-Latch  
 Taxonomy PCB Headers and Receptacles  
 UPC 800753591226

**Physical**

Breakaway No  
 Circuits (Loaded) 4  
 Circuits (maximum) 4  
 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 431.000/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



*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](#)

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	5045-04A
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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

This document was generated on 09/27/2022

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