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**Part Number:** [0022051042](#)  
**Status:** **Active**  
**Overview:** [Mini-Latch Wire-to-Board / Wire-to-Wire Connector System](#)  
**Description:** Mini-Latch / KK Wire-to-Board Header, Right-Angle, with Friction Ramp, 4 Circuits, Tin (Sn) Plating, Natural

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification 511910000-AS-000 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Application Specification 511910000-AS-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification 50469200-SPK-200 (PDF)</a>
<a href="#">Product Specification 50510002-PS-000 (PDF)</a>	<a href="#">Packaging Specification SPK-5046-001-001 (PDF)</a>
<a href="#">Product Specification 511910000-PS-000 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

UL E29179

**General**

Product Family	PCB Headers
Series	<a href="#">5046</a>
Application	Signal, Wire-to-Board
Overview	<a href="#">Mini-Latch Wire-to-Board / Wire-to-Wire Connector System</a>
Product Name	KK, Mini-Latch
UPC	800753591448

**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	Nylon
Net Weight	498.400/mg
Number of Rows	1
Orientation	Right Angle
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
Surface Mount Compatible (SMC)	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**

**Not 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**

[5046 Series](#)

**Mates With**

[2.50mm Pitch Housing 51191](#)

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 5046-04A

**Reference - Drawing Numbers**

Application Specification 511910000-AS-000, 511910000-AS-001  
Packaging Specification 50469200-SPK-200, SPK-5046-001-001  
Product Specification 50510002-PS-000, 511910000-PS-000  
Sales Drawing 50460002-000

This document was generated on 07/19/2022

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