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**Part Number:** [22-04-1081](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnection System](#)  
**Description:** 2.50mm Pitch Wire-to-Board KK® Header, Vertical, with Friction Ramp, 8 Circuits, Tin (Sn) Plating

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification PS-5102-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Product Specification PS-5102-002 (PDF)</a>
<a href="#">Product Specification PS-5045-001 (PDF)</a>	<a href="#">Product Specification PS-51191-002 (PDF)</a>
<a href="#">Product Specification PS-5045-002 (PDF)</a>	<a href="#">Product Specification PS-5251-001 (PDF)</a>
<a href="#">Product Specification PS-5051-001 (PDF)</a>	<a href="#">Packaging Specification SPK-5045-001 (PDF)</a>
<a href="#">Product Specification PS-5051-005 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

CSA	LR19980
TUV	R72090224
UL	E29179

**General**

Product Family	PCB Headers
Series	<a href="#">5045</a>
Application	Signal, Wire-to-Board
Overview	<a href="#">KK® Interconnection System</a>
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	845.200/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
Plating min - Mating	5.080µm
Plating min - Termination	5.080µm
Polarized to PCB	No
Shrouded	Partial

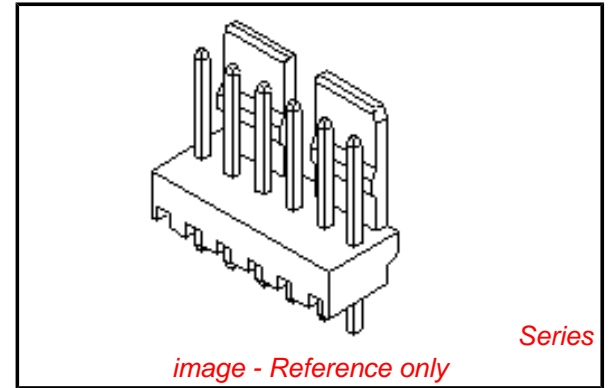


image - Reference only

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Not Low-Halogen**

**China RoHS**



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

Email [productcompliance@molex.com](mailto: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](#)

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

**Electrical**

Current - Maximum per Contact	3A
Voltage - Maximum	250V

**Material Info**

Old Part Number	5045-08A
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**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, PS-5251-001, RPS-5045-001, RPS-51191-007
Sales Drawing	SD-5045-NA

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