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Part Number: [0022041041](#)
Status: **Active**
Overview: Mini-Latch™ Wire-to-Board System
Description: Mini-Latch™ Wire-to-Board Header, Vertical, with Friction Ramp, 4 Circuits, Tin (Sn) Plating

Documents:

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

Agency Certification

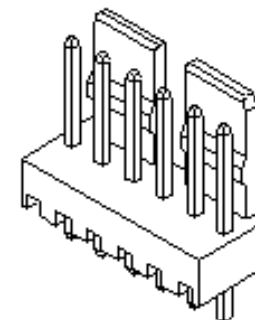
UL E29179

General

| | |
|----------------|--|
| Product Family | PCB Headers |
| Series | 5045 |
| Application | Signal, Wire-to-Board |
| MolexKits | Yes |
| Overview | Mini-Latch™ Wire-to-Board System |
| Product Name | KK® |
| 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 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 | 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 |
| Stackable | No |
| Surface Mount Compatible (SMC) | No |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
ED/21/2016 (20 June
2016)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

| | |
|-----------------|---------------|
| China ROHS | Green Image |
| ELV | Not Relevant |
| RoHS Phthalates | Not Contained |

Search Parts in this Series

[5045 Series](#)

Mates With

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

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

Engineering Number 5045-04A

Reference - Drawing Numbers

Packaging Specification SPK-5045-001-001
Product Specification PS-5045-001, PS-5045-002, PS-5051-001-001,
PS-5051-005-001, PS-51191-002
Sales Drawing SD-5045-NA

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