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Part Number: [22-04-1041](#)
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-5102-001 (PDF) |
| Drawing (PDF) | Product Specification PS-5102-002 (PDF) |
| Product Specification PS-5045-001 (PDF) | Product Specification PS-51191-002 (PDF) |
| Product Specification PS-5045-002 (PDF) | Packaging Specification SPK-5045-001 (PDF) |
| Product Specification PS-5051-001 (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-5051-005 (PDF) | |

Agency Certification

UL E29179

General

| | |
|----------------|---|
| Product Family | PCB Headers |
| Series | 5045 |
| Application | Signal, Wire-to-Board |
| MolexKits | Yes |
| Overview | <u>Mini-Latch™ Wire-to-Board System</u> |
| 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 |

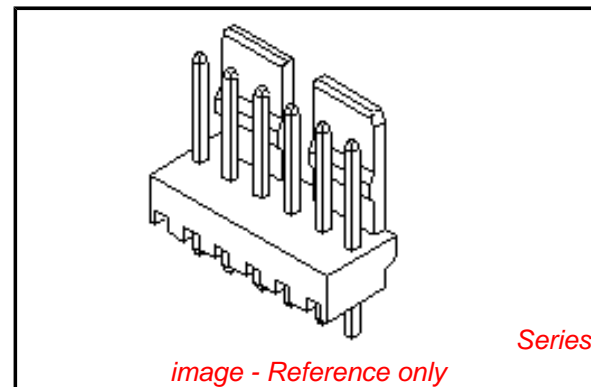


image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Contains SVHC: No**
**Low-Halogen Status
Low-Halogen**

China RoHS



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

Email 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 | 5045-04A |
|-----------------|----------|

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, RPS-5045-001, RPS-51191-007 |
| Sales Drawing | SD-5045-NA |

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