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**Part Number:** [22-04-1031](#)  
**Status:** **Active**  
**Overview:** Mini-Latch™ Wire-to-Board System  
**Description:** Mini-Latch™ Wire-to-Board Header, Vertical, with Friction Ramp, 3 Circuits, Tin (Sn) Plating

**Documents:**

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

**Agency Certification**

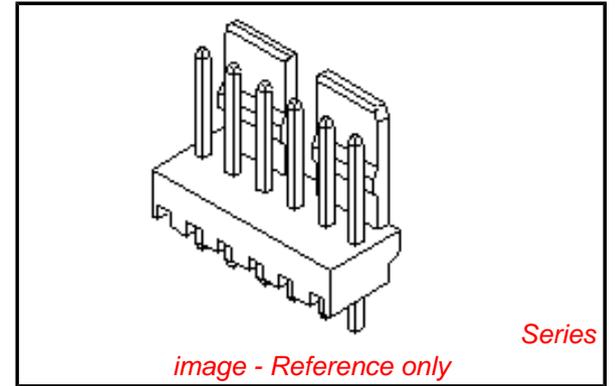
UL E29179

**General**

|                |  |
|----------------|--|
| Product Family | PCB Headers                                      |
| Series         | 5045   |
| Application    | Signal, Wire-to-Board                            |
| MolexKits      | Yes  |
| Overview       | <a href="#">Mini-Latch™ Wire-to-Board System</a> |
| Product Name   | KK®  |
| UPC            | 800753591639                                     |

**Physical**

|                                |            |
|--------------------------------|------------|
| Breakaway                      | No         |
| Circuits (Loaded)              | 3          |
| Circuits (maximum)             | 3          |
| 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                     | 324.000/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         |



**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](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

|                                |                 |
|--------------------------------|-----------------|
| 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 | 5045-03A |
|-----------------|----------|

**Reference - Drawing Numbers**

|                         |   |
|-------------------------|---|
| Packaging Specification | SPK-5045-001  |
| Product Specification   | PS-5045-001, PS-5045-002, PS-5102-001,<br>PS-5102-002, PS-51191-002, RPS-5045-001,<br>RPS-51191-007 |
| Sales Drawing           | SD-5045-NA  |

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