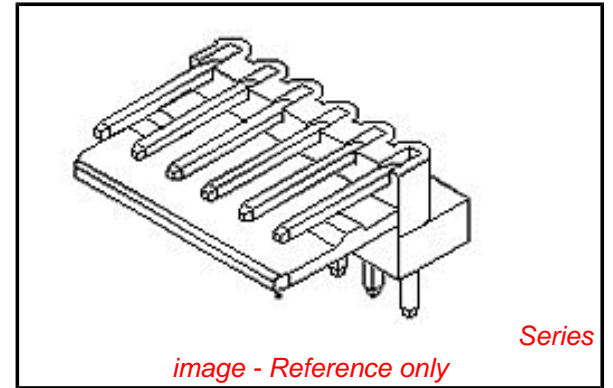


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**Part Number:** [22-05-1052](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System](#)  
**Description:** [KK® Wire-to-Board Header, Right Angle, Friction Lock, 5 Circuits, Tin \(Sn\) Plating](#)

**Documents:**

|   |  |
|---|--|
| <a href="#">3D Model</a>                                | <a href="#">Product Specification PS-51191-002 (PDF)</a>   |
| <a href="#">Drawing (PDF)</a>                           | <a href="#">Packaging Specification SPK-5046-001 (PDF)</a> |
| <a href="#">Product Specification PS-5046-002 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>       |
| <a href="#">Product Specification PS-5102-002 (PDF)</a> |  |



**Agency Certification**

UL E29179

**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers                             |
| Series         | 5046                                    |
| Application    | Signal, Wire-to-Board                   |
| Overview       | <a href="#">KK® Interconnect System</a> |
| Product Name   | N/A                                     |
| UPC            | 800753590991                            |

**Physical**

|                                |                 |
|--------------------------------|-----------------|
| Breakaway                      | No              |
| Circuits (Loaded)              | 5               |
| Circuits (maximum)             | 5               |
| 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             |
| Net Weight                     | 630.500/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              |
| Temperature Range - Operating  | -40°C to +105°C |
| Termination Interface: Style   | Through Hole    |

**Electrical**

**EU RoHS** **China RoHS**

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



**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**

5046Series

**Mates With**

51191 [KK® Wire-to-Board Header](#)

Current - Maximum per Contact 1.5A, 2.5A, 2A, 3A  
Voltage - Maximum 250V

**Material Info**

Old Part Number 5046-05A

**Reference - Drawing Numbers**

Packaging Specification SPK-5046-001  
Product Specification PS-5046-002, PS-5102-002, PS-51191-002,  
RPS-51191-007  
Sales Drawing SD-5046-NA

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