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**Part Number:** 0022032051

**Status:** Active

**Description:** 2.54mm (.100") Pitch KK® Wire-to-Board Header, Single Row, Vertical, 5 Circuits, PA Polyamide Nylon, Tin (Sn) Plating

- Documents:** *Note - Please disable browser pop-up blockers for documents on www.molex.com*
- [Drawing \(PDF\)](#)
  - [Product Specification PS-10-07 \(PDF\)](#)
  - [3D Model](#)
  - [Packaging Specification \(PDF\)](#)
  - [Datasheet \(PDF\)](#)
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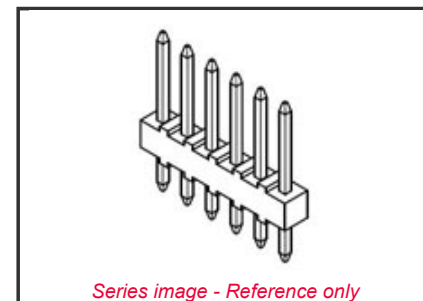
**Reference - Drawing Numbers**

**General**

|                |                               |
|----------------|-------------------------------|
| Product Family | PCB Headers                   |
| Series         | <a href="#">4030</a>          |
| Application    | Board-to-Board, Wire-to-Board |
| Product Name   | KK®                           |

**Physical**

|                                |                 |
|--------------------------------|-----------------|
| Breakaway                      | No              |
| Circuits (Loaded)              | 5               |
| Circuits (maximum)             | 5               |
| Color - Resin                  | Natural (White) |
| Durability (mating cycles max) | 25              |
| First Mate / Last Break        | No              |
| Flammability                   | 94V-0           |
| Glow-Wire Compliant            | No              |
| Guide to Mating Part           | No              |



**EU RoHS**  
ELV and RoHS Compliant

**China RoHS**



**REACH SVHC**  
Not Reviewed

**Halogen-Free Status**  
Halogen-Free

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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**

4030Series

|                                |              |
|--------------------------------|--------------|
| Keying to Mating Part          | None         |
| Lock to Mating Part            | None         |
| Material - Metal               | Brass        |
| Material - Plating Mating      | Tin          |
| Material - Plating Termination | Tin          |
| Material - Resin               | Nylon        |
| Number of Rows                 | 1            |
| Orientation                    | Vertical     |
| PC Tail Length (in)            | 0.135 In     |
| PC Tail Length (mm)            | 3.43 mm      |
| PCB Locator                    | No           |
| PCB Retention                  | None         |
| PCB Thickness Recommended (in) | 0.062 In     |
| PCB Thickness Recommended (mm) | 1.60 mm      |
| Packaging Type                 | Bag          |
| Pitch - Mating Interface (in)  | 0.100 In     |
| Pitch - Mating Interface (mm)  | 2.54 mm      |
| Plating min: Mating (µin)      | 200          |
| Plating min: Mating (µm)       | 5            |
| Plating min: Termination (µin) | 200          |
| Plating min: Termination (µm)  | 5            |
| Polarized to Mating Part       | No           |
| Polarized to PCB               | No           |
| Shrouded                       | No           |
| Stackable                      | Yes          |
| Surface Mount Compatible (SMC) | No           |
| Temperature Range - Operating  | 0°C to +75°C |
| Termination Interface: Style   | Through Hole |

**Electrical** (Please review the Product Specification for specific details.)

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 4A   |
| Voltage - Maximum             | 250V |

**Agency Certification**

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**Solder Process Data**

|                                                |                        |
|------------------------------------------------|------------------------|
| Duration at Max. Process Temperature (seconds) | 5                      |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 1                      |
| Process Temperature max. C                     | 235                    |

**Material Info****Mates With**

2695, 6471, 7880, 4455, 7720

Old Part Number A-4030-05A102

**Reference - Drawing Numbers**

Product Specification PS-10-07  
Sales Drawing SDA-4030, SDA-4030-002

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