

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0022032081](#)  
**Status:** **Active**  
**Overview:** [KK Interconnect Solutions](#)  
**Description:** KK 254 Wire-to-Board Header, Single Row, Vertical, 8 Circuits, PA Polyamide Nylon, Tin (Sn) Plating

**Documents:**

|                                |   |
|--------------------------------|---|
| <a href="#">Drawing (PDF)</a>  | <a href="#">Product Specification PS-10-07-001 (PDF)</a>      |
| <a href="#">3D Model</a>       | <a href="#">Packaging Specification PK-4030-001-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>          |

**Agency Certification**

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

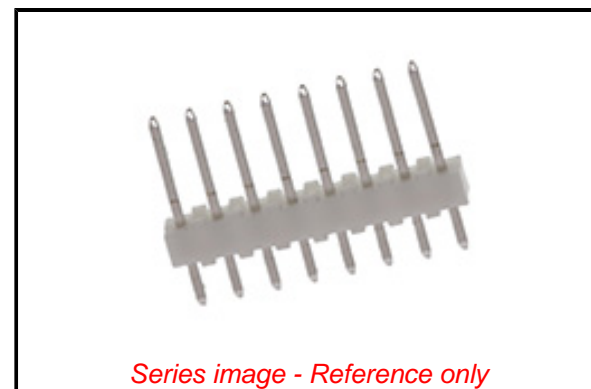
**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers                               |
| Series         | <a href="#">4030</a>                      |
| Application    | Board-to-Board, Signal, Wire-to-Board     |
| Overview       | <a href="#">KK Interconnect Solutions</a> |
| Product Name   | KK 254                                    |
| Taxonomy       | PCB Headers and Receptacles               |
| UPC            | 800753591875                              |

**Physical**

|                                |                           |
|--------------------------------|---------------------------|
| Breakaway                      | No                        |
| Circuits (Loaded)              | 8                         |
| Circuits (maximum)             | 8                         |
| Color - Resin                  | Natural (White)           |
| Durability (mating cycles max) | 25                        |
| Flammability                   | 94V-0                     |
| Glow-Wire Capable              | No                        |
| Lock to Mating Part            | None                      |
| Material - Metal               | Brass                     |
| Material - Plating Mating      | Tin                       |
| Material - Plating Termination | Tin                       |
| Material - Resin               | Nylon                     |
| Net Weight                     | 0.549/g                   |
| Number of Rows                 | 1                         |
| Orientation                    | Vertical                  |
| PC Tail Length                 | 3.43mm                    |
| PCB Locator                    | No                        |
| PCB Retention                  | None                      |
| PCB Thickness - Recommended    | 1.60mm                    |
| Packaging Type                 | Bag                       |
| Pitch - Mating Interface       | 2.54mm                    |
| Pitch - Termination Interface  | 2.54mm                    |
| Plating min - Mating           | 5.080µm                   |
| Polarized to Mating Part       | No                        |
| Polarized to PCB               | No                        |
| Shrouded                       | No                        |
| Stackable                      | Yes                       |
| Surface Mount Compatible (SMC) | No                        |
| Temperature Range - Operating  | See Product Specification |
| Termination Interface: Style   | Through Hole              |

**Electrical**



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[4030 Series](#)

**Mates With**

KK 254 Crimp Housing [2695](#) , [7880](#) . KK 254  
Top-Entry PCB Receptacle [4455](#) . C-Grid  
Shunt Terminal Housing [7859](#)

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 4.0A |
| Voltage - Maximum             | 500V |

**Solder Process Data**

|  |      |
|--|------|
| Duration at Max. Process Temperature (seconds) | 005  |
| Lead-free Process Capability                   | WAVE |
| Max. Cycles at Max. Process Temperature        | 001  |
| Process Temperature max. C                     | 235  |

**Material Info**

|                    |               |
|--------------------|---------------|
| Engineering Number | A-4030-08A197 |
|--------------------|---------------|

**Reference - Drawing Numbers**

|                         |                  |
|-------------------------|------------------|
| Packaging Specification | PK-4030-001-001  |
| Product Specification   | PS-10-07-001     |
| Sales Drawing           | SD-4030-0001-001 |

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