



**Part Number :** [22052061](#)  
**Product Description :** KK 254 Wire-to-Board Header, Single Row, Right-Angle, 6 Circuits, PA Polyamide Nylon, Tin (Sn) Plating  
**Series Number :** 4094  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles  
**Engineering Number :** A-4094-06A197



## Documents & Resources

### Drawings

[022052061\\_sd.pdf](#)  
[PK-4094-001-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)  
[Symbol and Footprint \(Multi-Format\)](#)  
[SYM-22-05-2061-001.zip](#)

### Specifications

[PS-10-07-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 33                                                                              |
| China RoHS         | <br>per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                                 |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                                               |
| REACH SVHC         | Not Contained per D(2025)4165-DC<br>(25 June 2025)                                                           |
| EU RoHS            | Compliant per EU 2015/863                                                                                    |

## Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

## Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## Substances of Interest

- PFAS

## EU RoHS Certificate of Compliance

## Additional Product Compliance Information

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## Part Details

### General

|                |                                                                                                                 |
|----------------|-----------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                          |
| Category       | PCB Headers and Receptacles                                                                                     |
| Series         | 4094                                                                                                            |
| Description    | KK 254 Wire-to-Board Header,<br>Single Row, Right-Angle, 6 Circuits,<br>PA Polyamide Nylon, Tin (Sn)<br>Plating |
| Application    | Board-to-Board, Signal, Wire-to-<br>Board                                                                       |
| Component Type | PCB Header                                                                                                      |
| Product Name   | KK 254                                                                                                          |
| UPC            | 800753755680                                                                                                    |

### Agency

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

### Electrical

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

## Physical

|                                |                           |
|--------------------------------|---------------------------|
| Breakaway                      | No                        |
| Circuits (Loaded)              | 6                         |
| Circuits (maximum)             | 6                         |
| Color - Resin                  | Natural (White)           |
| Durability (mating cycles max) | 25                        |
| First Mate / Last Break        | No                        |
| 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                     | 0.484/g                   |
| Number of Rows                 | 1                         |
| Orientation                    | Right Angle               |
| Packaging Type                 | Bag                       |
| PCB Locator                    | No                        |
| PCB Retention                  | None                      |
| PCB Thickness - Recommended    | 1.60mm                    |
| PC Tail Length                 | 3.15mm                    |
| Pitch - Mating Interface       | 2.54mm                    |
| Pitch - Termination Interface  | 2.54mm                    |
| Plating min - Mating           | 5.080µm                   |
| Plating min - Termination      | 5.080µm                   |
| Polarized to Mating Part       | No                        |
| Polarized to PCB               | No                        |
| Shrouded                       | No                        |
| Stackable                      | Yes                       |
| Temperature Range - Operating  | See Product Specification |
| Termination Interface Style    | Through Hole              |

## Solder Process Data

|              |   |
|--------------|---|
| Max-Duration | 5 |
|--------------|---|

|                              |      |
|------------------------------|------|
| Lead-Free Process Capability | WAVE |
| Max-Cycle                    | 1    |
| Max-Temp                     | 235  |

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**Mates With / Use With**

**Mates with Part(s)**

|                                  |             |
|----------------------------------|-------------|
| Description                      | Part Number |
| KK 254 Single Row Crimp Housings | <u>2695</u> |
| KK 254 PC Board Connector        | <u>4455</u> |
| KK 254 Receptacle Housings       | <u>7880</u> |