



**Part Number :** [1718571008](#)

**Product Description :** 2.54mm Pitch, KK 254 RPC  
Wire-to-Board Right-Angle Header with Friction Lock,  
15µm Gold (Au) Plating, Bag, 8 Circuits

**Series Number :** 171857

**Status :** Active

**Product Category :** PCB Headers and Receptacles



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## Documents and Resources

### Drawings

[1718571008\\_sd.pdf](#)

[PK-7478-001-000.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

[SYM-171857-0008-001.zip](#)

### Specifications


[PS-171856-0001-001.pdf](#)

[PS-171856-0002-001.pdf](#)

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## Product Environment Compliance

### Compliance

|                    |   |
|--------------------|---|
| GADSL/IMDS         | Not Relevant  |
| China RoHS         |  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)6375-DC (05 Nov 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         | 171857  |
| Description    | 2.54mm Pitch, KK 254 RPC Wire-to-Board Right-Angle Header with Friction Lock, 15µm Gold (Au) Plating, Bag, 8 Circuits |
| Application    | Power, Signal, Wire-to-Board  |
| Component Type | PCB Header  |
| Product Name   | KK 254  |
| UPC            | 887191417684  |

### Agency

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

### Electrical

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

### Physical

|                                |                |
|--------------------------------|----------------|
| Breakaway                      | No             |
| Circuits (Loaded)              | 8              |
| Circuits (maximum)             | 8              |
| Color - Resin                  | Black          |
| Durability (mating cycles max) | 25             |
| First Mate / Last Break        | No             |
| Flammability                   | 94V-1          |
| Glow-Wire Capable              | No             |
| Guide to Mating Part           | No             |
| Keying to Mating Part          | None           |
| Lock to Mating Part            | Yes            |
| Material - Plating Mating      | Gold           |
| Material - Plating Termination | Nickel         |
| Material - Resin               | Nylon          |
| Net Weight                     | 1.057/g        |
| Number of Rows                 | 1              |
| Orientation                    | Right Angle    |
| Packaging Type                 | Bag            |
| PCB Locator                    | No             |
| PCB Retention                  | None           |
| PCB Thickness - Recommended    | 1.60mm         |
| Pitch - Mating Interface       | 2.54mm         |
| Plating min - Mating           | 0.381µm        |
| Shrouded                       | Partial        |
| Stackable                      | No             |
| Temperature Range - Operating  | -40° to +105°C |
| Termination Interface Style    | Through Hole   |

### Solder Process Data

|                              |          |
|------------------------------|----------|
| Max-Duration                 | 30       |
| Lead-Free Process Capability | SMC&WAVE |
| Max-Cycle                    | 3        |
| Max-Temp                     | 260      |

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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> |

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