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**Part Number:** [1718571009](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** 2.54mm Pitch, KK 254 RPC Wire-to-Board Right-Angle Header with Friction Lock, 15µm Gold (Au) Plating, Bag, 9 Circuits

**Documents:**

|  |   |
|--|---|
| <a href="#">3D Model</a>                                       | <a href="#">Product Specification PS-171856-0002-001 (PDF)</a>  |
| <a href="#">3D Model (PDF)</a>                                 | <a href="#">Packaging Specification PK-7478-001-000 (PDF)</a>   |
| <a href="#">Drawing (PDF)</a>                                  | <a href="#">Symbol Footprint Data SYM-171857-0009-001 (PDF)</a> |
| <a href="#">Product Specification PS-171856-0001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |



**Agency Certification**

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

**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers                                     |
| Series         | <a href="#">171857</a>                          |
| Application    | Power, Signal, Wire-to-Board                    |
| Overview       | <a href="#">KK® Interconnect System - Molex</a> |
| Product Name   | KK 254  |
| UPC            | 887191417691                                    |

**Physical**

|                                |                |
|--------------------------------|----------------|
| Breakaway                      | No             |
| Circuits (Loaded)              | 9              |
| Circuits (maximum)             | 9              |
| 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                     | 1.193/g        |
| Number of Rows                 | 1              |
| Orientation                    | Right Angle    |
| PCB Locator                    | No             |
| PCB Retention                  | None           |
| PCB Thickness - Recommended    | 1.60mm         |
| Packaging Type                 | Bag            |
| Pitch - Mating Interface       | 2.54mm         |
| Plating min - Mating           | 0.381µm        |
| Shrouded                       | Partial        |
| Stackable                      | No             |
| Surface Mount Compatible (SMC) | Yes            |
| Temperature Range - Operating  | -40° to +105°C |
| Termination Interface: Style   | Through Hole   |

**Electrical**

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

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**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**

[171857](#) Series

**Mates With**

[4455](#) , [2695](#) , [6471](#)

**Solder Process Data**

|  |          |
|--|----------|
| Duration at Max. Process Temperature (seconds) | 030      |
| Lead-free Process Capability                   | SMC&WAVE |
| Max. Cycles at Max. Process Temperature        | 003      |
| Process Temperature max. C                     | 260      |

**Material Info****Reference - Drawing Numbers**

|                         |  |
|-------------------------|--|
| Packaging Specification | PK-7478-001-000                        |
| Product Specification   | PS-171856-0001-001, PS-171856-0002-001 |
| Sales Drawing           | SD-171857-0001-000, SD-171857-0001-002 |
| Symbol/Footprint Data   | SYM-171857-0009-001                    |

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