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**Part Number:** [1718573002](#)  
**Status:** **Active**  
**Overview:** [KK Interconnect Solutions](#)  
**Description:** 2.54mm Pitch, KK 254 RPC Wire-to-Board Right-Angle Header with Friction Lock, Tin (Sn) Plating, Tape and Reel, 2 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-171857-0001-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                  | <a href="#">Symbol Footprint Data SYM-171857-0002-001 (PDF)</a>  |
| <a href="#">Product Specification PS-171856-0001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |



*Series image - Reference only*

**Agency Certification**

UL E29179

**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers                               |
| Series         | <a href="#">171857</a>                    |
| Application    | Power, Signal, Wire-to-Board              |
| Overview       | <a href="#">KK Interconnect Solutions</a> |
| Product Name   | KK 254                                    |
| UPC            | 887191716190                              |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 2                              |
| Circuits (maximum)             | 2                              |
| 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      | Tin                            |
| Material - Plating Termination | Nickel                         |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 0.250/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Right Angle                    |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.60mm                         |
| Packaging Type                 | Embossed Tape on Reel          |
| Pitch - Mating Interface       | 2.54mm                         |
| Plating min - Mating           | 1.524µm                        |
| Polarized to Mating Part       | Yes                            |
| 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-171857-0001-001                     |
| Product Specification   | PS-171856-0001-001, PS-171856-0002-001 |
| Sales Drawing           | SD-171857-0001-000, SD-171857-0001-002 |
| Symbol/Footprint Data   | SYM-171857-0002-001                    |

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