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**Part Number:** [1718563007](#)  
**Status:** **Active**  
**Overview:** [KK Interconnect Solutions](#)  
**Description:** 2.54mm Pitch, KK 254 RPC Vertical Header with Friction Lock, Tin (Sn) Plating, Pin Length 12.95mm, Tape and Reel, 7 Circuits

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model</a>                                       | <a href="#">Product Specification PS-171856-0002-001 (PDF)</a>   |
| <a href="#">Drawing (PDF)</a>                                  | <a href="#">Packaging Specification PK-171856-0001-000 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                                 | <a href="#">Symbol Footprint Data SYM-171856-0007-001 (PDF)</a>  |
| <a href="#">Product Specification PS-171856-0001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |

**Agency Certification**

UL E29179

**General**

|                |  |
|----------------|--|
| Product Family | PCB Headers  |
| Series         | <a href="#">171856</a>   |
| Application    | Board-to-Board, Power, Signal, Wire-to-Board   |
| Comments       | See Product Specification for maximum current rating by AWG.<br><br>See Product Specification for operating temperature range by material. |
| Overview       | <a href="#">KK Interconnect Solutions</a>  |
| Product Name   | KK 254   |
| UPC            | 887191570822   |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 7                              |
| Circuits (maximum)             | 7                              |
| 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 - Metal               | Brass                          |
| Material - Plating Mating      | Matte Tin                      |
| Material - Plating Termination | Matte Tin                      |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 0.796/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Vertical                       |
| 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                        |
| Plating min - Termination      | 1.524µm                        |
| Polarized to Mating Part       | Yes                            |
| Robotic Placement              | Pick and Place Cap             |
| Shrouded                       | Partial                        |
| Stackable                      | No                             |
| Surface Mount Compatible (SMC) | Yes                            |



*Series image - Reference only*

**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**

[171856](#) Series

**Mates With**

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

Temperature Range - Operating -40° to +105°C, -40° to +80°C  
Termination Interface: Style Through Hole

**Electrical**

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

**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-171856-0001-000  
Product Specification PS-171856-0001-001, PS-171856-0002-001  
Sales Drawing SD-171856-0001-000  
Symbol/Footprint Data SYM-171856-0007-001

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