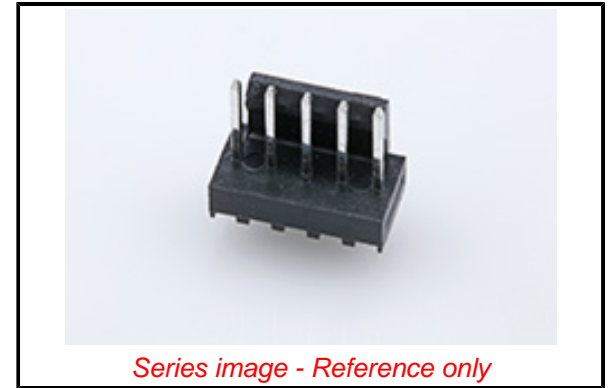


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1718560005](#)  
**Status:** **Active**  
**Overview:** [KK Interconnect Systems](#)  
**Description:** 2.54mm Pitch, KK 254 RPC Vertical Header with Friction Lock, Tin (Sn) Plating, Pin Length 12.95mm, Bag, 5 Circuits

**Documents:**

|  |   |
|--|---|
| <a href="#">3D Model (PDF)</a>                                 | <a href="#">Product Specification PS-171856-0002-001 (PDF)</a>  |
| <a href="#">3D Model</a>                                       | <a href="#">Packaging Specification PK-6373-001-000 (PDF)</a>   |
| <a href="#">Drawing (PDF)</a>                                  | <a href="#">Symbol Footprint Data SYM-171856-0005-001 (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="#">171856</a>  |
| Application    | Board-to-Board, Power, Signal, Wire-to-Board  |
| Comments       | See Product Specification for maximum current rating by AWG; See Product Specification for operating temperature range by material. |
| Overview       | <a href="#">KK Interconnect Systems</a>   |
| Product Name   | KK 254  |
| Taxonomy       | PCB Headers and Receptacles   |
| UPC            | 887191376417  |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 5                              |
| Circuits (maximum)             | 5                              |
| 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                     | 0.567/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Vertical                       |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.60mm                         |
| Packaging Type                 | Bag                            |
| Pitch - Mating Interface       | 2.54mm                         |
| Plating min - Mating           | 1.524µm                        |
| Plating min - Termination      | 1.524µm                        |
| Polarized to Mating Part       | Yes                            |
| Shrouded                       | Partial                        |
| Stackable                      | No                             |

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - D(2022)4187-DC (10 June 2022)

**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](#)

|                                |                               |
|--------------------------------|-------------------------------|
| Surface Mount Compatible (SMC) | Yes                           |
| 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**

|                             |    |
|-----------------------------|----|
| Cross-Plant Material Status | LT |
|-----------------------------|----|

**Reference - Drawing Numbers**

|                         |  |
|-------------------------|--|
| Packaging Specification | PK-6373-001-000                        |
| Product Specification   | PS-171856-0001-001, PS-171856-0002-001 |
| Sales Drawing           | SD-171856-0001-000                     |
| Symbol/Footprint Data   | SYM-171856-0005-001                    |

This document was generated on 10/19/2022

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