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Part Number:

1718561002

Status:

Active

Overview:

KK Interconnect Systems

Description:

2.54mm Pitch, KK 254 RPC Vertical Header with Friction Lock, 15µm Gold (Au) Plating, Pin Length 12.95mm, Bag, 2 Circuits

Documents:

Drawing (PDF)

3D Model (PDF)

3D Model

Product Specification PS-171856-0001-001 (PDF)

Product Specification PS-171856-0002-001 (PDF)

Packaging Specification PK-6373-001-000 (PDF)

Symbol Footprint Data SYM-171856-0002-001 (PDF)

RoHS Certificate of Compliance (PDF)

|                                |                                                                                                                                     |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Agency Certification           |                                                                                                                                     |
| CSA                            | LR19980                                                                                                                             |
| UL                             | E29179                                                                                                                              |
| General                        |                                                                                                                                     |
| Product Family                 | PCB Headers                                                                                                                         |
| Series                         | 171856                                                                                                                              |
| 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                       | KK Interconnect Systems                                                                                                             |
| Product Name                   | KK 254                                                                                                                              |
| Taxonomy                       | PCB Headers and Receptacles                                                                                                         |
| UPC                            | 887191416212                                                                                                                        |
| 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 - Metal               | Brass                                                                                                                               |
| Material - Plating Mating      | Gold                                                                                                                                |
| Material - Plating Termination | Matte Tin                                                                                                                           |
| Material - Resin               | High Temperature Thermoplastic                                                                                                      |
| Net Weight                     | 0.214/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           | 0.381µm                                                                                                                             |
| Plating min - Termination      | 2.540µm                                                                                                                             |
| Polarized to Mating Part       | Yes                                                                                                                                 |
| Shrouded                       | Partial                                                                                                                             |
| Stackable                      | No                                                                                                                                  |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

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

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                           |
| <b>Electrical</b>                              |                                        |
| Current - Maximum per Contact                  | 4.0A                                   |
| Voltage - Maximum                              | 500V                                   |
| <b>Solder Process Data</b>                     |                                        |
| Duration at Max. Process Temperature (seconds) | 030                                    |
| Lead-freeProcess Capability                    | SMC&WAVE                               |
| Max. Cycles at Max. Process Temperature        | 003                                    |
| Process Temperature max. C                     | 260                                    |
| <b>Material Info</b>                           |                                        |
| Cross-Plant Material Status                    | LT                                     |
| <b>Reference - Drawing Numbers</b>             |                                        |
| 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-171856-0002-001                    |

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