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Part Number: [1718560008](#)
Status: **Active**
Overview: KK® Interconnect System - Molex
Description: 2.54mm Pitch, KK 254 RPC Vertical Header with Friction Lock, Tin (Sn) Plating, Pin Length 12.95mm, Bag, 8 Circuits

Documents:

| | |
|--|--|
| 3D Model | Product Specification PS-171856-0002-001 (PDF) |
| Drawing (PDF) | Packaging Specification PK-6373-001-000 (PDF) |
| 3D Model (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-171856-0001-001 (PDF) | |

Agency Certification

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

General

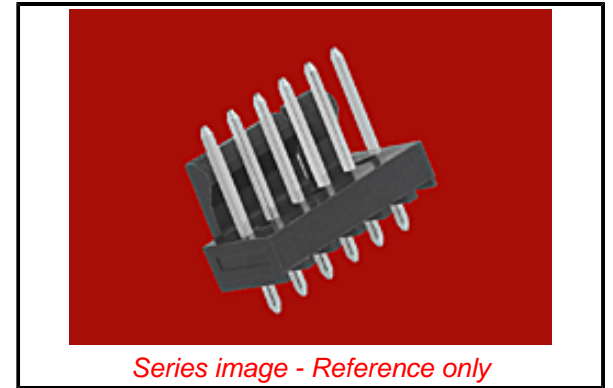
| | |
|---------------------|--|
| Product Family | PCB Headers |
| Series | 171856 |
| 3D Viewer | Yes |
| Application | Board-to-Board, Power, Signal, Wire-to-Board |
| CURRENT-MAX-NUMERIC | 4.0 |
| Comments | See Product Specification for maximum current rating by AWG. See Product Specification for operating temperature range by material., See Product Specification for maximum current rating by AWG. See Product Specification for operating temperature range by material. |

Overview

| | |
|----------------------|----------------------|
| PITCH-MATING-NUMERIC | 2.54 |
| Product Name | KK 254 |
| UPC | 887191376448 |

Physical

| | |
|--------------------------------|--------------------------------|
| Breakaway | No |
| Circuits (Loaded) | 8 |
| Circuits (maximum) | 8 |
| 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 | 0.913/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 |



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/71/2019 (16 July 2019)

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](#)

| | |
|--------------------------------|-------------------------------|
| Plating min - Mating | 1.524µm |
| Plating min - Termination | 1.524µm |
| Polarized to Mating Part | Yes |
| Shrouded | Partial |
| Stackable | No |
| 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**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, SD-171856-0001-002 |
| Symbol/Footprint Data | SYM-171856-0008 |

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