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Part Number: [171856-4004](#)
Status: **Active**
Overview: [KK® Interconnect System - Molex](#)
Description: 2.54mm Pitch, KK® 254 RPC Wire-to-Board Vertical Header with Friction Lock, 15µm Gold (Au) Plating, Tape and Reel, 4 Circuits

Documents:

| | |
|--|--|
| 3D Model | Test Summary TS-171856-0001 (PDF) |
| Drawing (PDF) | Test Summary TS-171856-0002 (PDF) |
| Product Specification PS-171856-0001 (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-171856-0002 (PDF) | |



image - Reference only

Agency Certification

UL E29179

General

| | |
|----------------|---|
| Product Family | PCB Headers |
| Series | 171856 |
| Application | Power, Signal, Wire-to-Board |
| Overview | KK® Interconnect System - Molex |
| Product Name | KK® 254 |
| UPC | 887191572369 |

Physical

| | |
|--------------------------------|--------------------------------|
| Breakaway | No |
| Circuits (Loaded) | 4 |
| Circuits (maximum) | 4 |
| Color - Resin | Black |
| Durability (mating cycles max) | 25 |
| First Mate / Last Break | No |
| Glow-Wire Compliant | Yes |
| 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 | Nickel |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 0.449/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 | 0.381µm |
| Polarized to Mating Part | Yes |
| Shrouded | Partial |
| Stackable | No |
| Surface Mount Compatible (SMC) | Yes |
| Temperature Range - Operating | -40°C to +105°C |
| Termination Interface: Style | Through Hole |

Electrical

Current - Maximum per Contact 4A

EU RoHS

ELV and RoHS Compliant
REACH SVHC Contains SVHC: No
Low-Halogen Status Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

171856Series

Mates With

4455 , 2695 , 6471

Voltage - Maximum 250V

Solder Process Data

Duration at Max. Process Temperature (seconds) 30
Lead-free Process Capability SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature 3
Process Temperature max. C 260

Material Info

Reference - Drawing Numbers

Product Specification PS-171856-0001, PS-171856-0002
Sales Drawing SD-171856-0001
Test Summary TS-171856-0001, TS-171856-0002

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