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Part Number: [171857-3004](#)
Status: **Active**
Overview: [KK® Interconnect System - Molex](#)
Description: 2.54mm Pitch, KK® 254 RPC Wire-to-Board Right-Angle Header with Friction Lock, Tin (Sn) Plating, Tape and Reel, 4 Circuits

Documents:

| | |
|--|--|
| 3D Model | Test Summary TS-171856-0001 (PDF) |
| Drawing (PDF) | Test Summary TS-171857-0001 (PDF) |
| Product Specification PS-171856-0001 (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-171856-0002 (PDF) | |



General

| | |
|----------------|---|
| Product Family | PCB Headers |
| Series | 171857 |
| Application | Power, Signal, Wire-to-Board |
| Overview | KK® Interconnect System - Molex |
| Product Name | KK® 254 |
| UPC | 887191716312 |

Physical

| | |
|--------------------------------|--------------------------------|
| Breakaway | No |
| Circuits (Loaded) | 4 |
| Circuits (maximum) | 2 |
| 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 - Plating Mating | Tin |
| Material - Plating Termination | Nickel |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 0.521/g |
| Number of Rows | 1 |
| Orientation | Right Angle |
| 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 |
| 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 |
| Voltage - Maximum | 250V |

Solder Process Data

| | |
|--|----|
| Duration at Max. Process Temperature (seconds) | 30 |
|--|----|

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

171857Series

Mates With

4455 , 2695 , 6471

| | |
|---|------------------------------|
| 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-171857-0001 |
| Test Summary | TS-171856-0001, TS-171857-0001 |

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