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**Part Number:** [171856-3006](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** 2.54mm Pitch, KK® 254 RPC Wire-to-Board Vertical Header with Friction Lock, Tin (Sn) Plating, Tape and Reel, 6 Circuits

**Documents:**

<a href="#">3D Model</a>	<a href="#">Test Summary TS-171856-0001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary TS-171856-0002 (PDF)</a>
<a href="#">Product Specification PS-171856-0001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-171856-0002 (PDF)</a>	



**Agency Certification**

UL E29179

**General**

Product Family	PCB Headers
Series	<a href="#">171856</a>
Application	Power, Signal, Wire-to-Board
Overview	<a href="#">KK® Interconnect System - Molex</a>
Product Name	KK® 254
UPC	887191519890

**Physical**

Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
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	Tin
Material - Plating Termination	Nickel
Material - Resin	High Temperature Thermoplastic
Net Weight	0.678/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	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

**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](mailto: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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