

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [171857-1009](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnection System](#)  
**Description:** KK® RPC 2.54mm Wire-to-Board Right-Angle Header with Friction Lock, 9 Circuits, 15µm Gold (Au)

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary TS-171856-0001 (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>	

**General**

Product Family	PCB Headers
Series	<a href="#">171857</a>
Application	Power, Signal, Wire-to-Board
Overview	<a href="#">KK® Interconnection System</a>
Product Name	KK®
UPC	887191417691

**Physical**

Breakaway	No
Circuits (Loaded)	9
Circuits (maximum)	9
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	Gold
Material - Plating Termination	Nickel
Material - Resin	Nylon
Net Weight	1.193/g
Number of Rows	1
Orientation	Right Angle
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Packaging Type	Bag
Pitch - Mating Interface	2.54mm
Plating min - Mating	0.381µm
Shrouded	Partial
Stackable	No
Surface Mount Compatible (SMC)	No
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
Lead-free Process Capability	SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	3

**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**

[171857Series](#)

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

This document was generated on 06/18/2013

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**