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**Part Number:** [171857-4007](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** 2.54mm Pitch, KK® 254 RPC Wire-to-Board Right-Angle Header with Friction Lock, 15µm Gold (Au) Plating, Tape and Reel, 7 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-171857-0001 (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® Interconnect System - Molex</a>
Product Name	KK® 254
UPC	887191720210

**Physical**

Breakaway	No
Circuits (Loaded)	7
Circuits (maximum)	7
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	High Temperature Thermoplastic
Net Weight	0.922/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	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
Voltage - Maximum	250V

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	30
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**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](#)

**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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