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**Part Number:** [171814-4009](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** [KK® 396 RPC Wire-to-Board Right Angle Header with Friction Lock, 9 Circuits, 15µm Gold \(Au\)](#)

**Documents:**

<a href="#">3D Model</a>	<a href="#">Test Summary TS-171813-0001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary TS-171814-0001 (PDF)</a>
<a href="#">Product Specification PS-171813-0001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-171813-0002 (PDF)</a>	



**General**

Product Family	PCB Headers
Series	171814
Application	Power, Signal, Wire-to-Board
Overview	<a href="#">KK® Interconnect System - Molex</a>
Product Name	KK® 396
UPC	887191718392

**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 - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Nickel
Material - Resin	High Temperature Thermoplastic
Net Weight	3.797/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	3.96mm
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	13A
Voltage - Maximum	600V

**Solder Process Data**

**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**

171814Series

**Mates With**

2145 , 41815 , 6442 , 2139 , 41713

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-171813-0001, PS-171813-0002
Sales Drawing	SD-171814-0001
Test Summary	TS-171813-0001, TS-171814-0001

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