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**Part Number:** [1718143006](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** [KK® 396 RPC Wire-to-Board Right-Angle Header with Friction Lock, 6 Circuits](#)

**Documents:**

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

**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	<a href="#">171814</a>
Application	Power, Signal, Wire-to-Board
Overview	<a href="#">KK® Interconnect System - Molex</a>
Product Name	KK® 396
UPC	887191718255

**Physical**

Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Black
Durability (mating cycles max)	25
First Mate / Last Break	No
Flammability	94V-1, 94V-2
Glow-Wire Compliant	No
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	2.504/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	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	13.0A
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*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/79/2015 (17  
December 2015)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any  
non-product compliance questions.

China ROHS

ELV

Green Image

Not Relevant

**Search Parts in this Series**

[171814 Series](#)

**Mates With**

[2145](#) , [41815](#) , [6442](#) , [2139](#) , [41699](#)

Voltage - Maximum 600V

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 030

Lead-free Process Capability SMC&WAVE

Max. Cycles at Max. Process Temperature 003

Process Temperature max. C 260

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification PK-171814-0001

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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