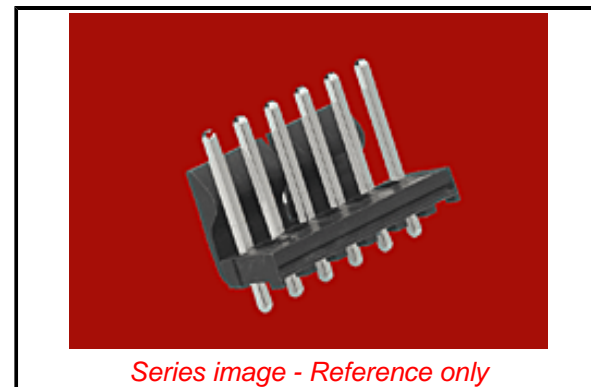


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**Part Number:** [1718131012](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** 3.96mm Pitch, KK 396 RPC Vertical Header with Friction Lock, 15µm Gold (Au) Plating, Pin Length 17.02mm, Bag, 12 Circuits, without Pegs

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-41791-001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary TS-171813-0001-001 (PDF)</a>
<a href="#">Product Specification PS-171813-0001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-171813-0002-001 (PDF)</a>	



Series image - Reference only

**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	<a href="#">171813</a>
3D Viewer	Yes
Application	Board-to-Board, Power, Signal, Wire-to-Board
CURRENT-MAX-NUMERIC	5.0, 7.0
Comments	See Product Specification for maximum current rating by material, AWG, and orientation.  See Product Specification for operating temperature range by material., See Product Specification for maximum current rating by material, AWG, and orientation.  See Product Specification for operating temperature range by material.

Overview

PITCH-MATING-NUMERIC	<a href="#">KK® Interconnect System - Molex</a>
Product Name	3.96
UPC	KK 396
	887191429434

**Physical**

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Black
Durability (mating cycles max)	25
First Mate / Last Break	No
Flammability	94V-1, 94V-2
Glow-Wire Capable	No
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	Matte Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	3.893/g
Number of Rows	1
Orientation	Vertical
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Packaging Type	Bag

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - ED/71/2019 (16 July 2019)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[171813 Series](#)

**Mates With**

[2145](#) , [41815](#) , [6442](#) , [2139](#) , [41695](#)

Pitch - Mating Interface	3.96mm
Plating min - Mating	0.381µm
Plating min - Termination	1.524µm
Polarized to Mating Part	Yes
Shrouded	Partial
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +105°C, -40° to +80°C
Termination Interface: Style	Through Hole

**Electrical**

Current - Maximum per Contact	5.0A, 7.0A
Voltage - Maximum	250V

**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-41791-001-001
Product Specification	PS-171813-0001-001, PS-171813-0002-001
Sales Drawing	SD-171813-0001-000, SD-171813-0001-002
Symbol/Footprint Data	SYM-171813-0012
Test Summary	TS-171813-0001-001

This document was generated on 10/09/2019

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