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**Part Number:** [1718130012](#)  
**Status:** **Active**  
**Overview:** [KK Interconnect Solutions](#)  
**Description:** 3.96mm Pitch, KK 396 Vertical Header with Friction Lock, Tin (Sn) Plating, Pin Length 17.02mm, Bag, 12 Circuits, without Pegs

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-41791-001-001 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Test Summary TS-171813-0001-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Symbol Footprint Data SYM-171813-0012-001 (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>	

**Agency Certification**

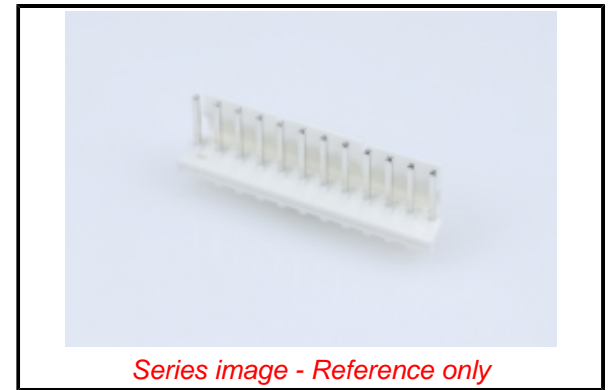
CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	<a href="#">171813</a>
Application	Board-to-Board, Power, Signal, Wire-to-Board
Comments	See Product Specification for maximum current rating by material, AWG, and orientation.  See Product Specification for operating temperature range by material.
Overview	<a href="#">KK Interconnect Solutions</a>
Product Name	KK 396
UPC	887191375632

**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	Matte Tin
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
Pitch - Mating Interface	3.96mm
Plating min - Mating	1.524µm
Plating min - Termination	1.524µm
Polarized to Mating Part	Yes
Shrouded	Partial



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**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](#) , [3069](#)

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-171813-0012-001
Test Summary	TS-171813-0001-001

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