

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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

Documents:

3D Model	Packaging Specification PK-41791-001-001 (PDF)
Drawing (PDF)	Test Summary TS-171813-0001-001 (PDF)
Product Specification PS-171813-0001-001 (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-171813-0002-001 (PDF)	

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	171813
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	KK® Interconnect System - Molex
PITCH-MATING-NUMERIC	3.96
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



Series image - Reference only

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	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[171813](#) Series

Mates With

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

Pitch - Mating Interface	3.96mm
Plating min - Mating	1.524μm
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-freeProcess 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

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Molex:

171813-0012