



**Part Number :** 416710045

**Product Description :** KK 396 Breakaway Header, Vertical, Square Pin, with Friction Lock, 23 Circuits, 0.76µm Gold (Au) Selective Plating

**Series Number :** 41671

**Status :** Active

**Product Category :** PCB Headers and Receptacles

**Engineering Number :** A-41671-C23A228



## Documents & Resources

### Drawings

[Drawing 416710045\\_sd.pdf](#)

[Packaging Design Drawing PK-41671-001-001.pdf](#)

### 3D Models and Design Files

[3D Model 416710045\\_stp.zip](#)

[Symbol Footprint Data SYM-41671-0022-001.zip](#)

### Specifications

[Product Specification PS-08-50-001.pdf](#)

## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant per EU 2015/863

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

## Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## EU RoHS Certificate of Compliance

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### **Part Details**

#### **General**

Status	Active
Category	PCB Headers and Receptacles
Series	41671
Description	KK 396 Breakaway Header, Vertical, Square Pin, with Friction Lock, 23 Circuits, 0.76µm Gold (Au) Selective Plating
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Family	KK Interconnect Systems
Product Name	KK 396
UPC	822350225618

#### **Agency**

CSA	LR19980
UL	E29179

#### **Electrical**

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

#### **Physical**

Breakaway	Yes
Circuits (Loaded)	23
Circuits (maximum)	23
Color - Resin	Black
Durability (mating cycles max)	50

Flammability	94V-0
Glow-Wire Capable	No
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Resin	Polyester
Net Weight	7.516/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Bag
PC Tail Length	4.37mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	3.96mm
Pitch - Termination Interface	3.96mm
Plating min - Mating	0.762 $\mu$ m
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Partial
Stackable	No
Temperature Range - Operating	See Product Specification
Termination Interface Style	Through Hole

## Solder Process Data

Max-Duration	5
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	235

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number

KK 3.96mm Single Row Crimp Housings	<u>2139</u>
KK 3.96mm Single Row Crimp Housings	<u>3069</u>
KK 3.96mm Crimp Housings	<u>41695</u>
KK 396 PC Board Connector	<u>41815</u>
KK 3.96mm Pitch Single Row Crimp Housings	<u>6442</u>

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