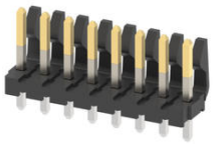
**Part Number :** 416710007
**Product Description :** KK 396 Breakaway Header, Vertical, Square Pin, with Friction Lock, 8 Circuits, 0.38µm Gold (Au) Plating, 4.37mm Tail Length, 11.43mm Mating Pin Length
**Series Number :** 41671
**Status :** Active
**Product Category :** PCB Headers and Receptacles
**Engineering Part Number :** A-41671-C08A208



## Documents and Resources

### Drawings

416710007_sd.pdf

PK-41671-001-001.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

SYM-41671-0007-001.zip

### Specifications

PS-08-50-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)7771-DC (04 Feb 2026) |

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| | |
|---|---|
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements
- EU RoHS
- REACH SVHC
- Low-Halogen

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

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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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, 8 Circuits, 0.38µm Gold (Au) Plating, 4.37mm Tail Length, 11.43mm Mating Pin Length |
| Application | Wire-to-Board |
| Component Type | PCB Header |
| Product Name | KK 396 |
| UPC | 800754773249 |

### Agency

| | |
|---|---|
| CSA | LR19980 |
| UL | E29179 |

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 7.0A |

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| | |
|---|---|
| Voltage - Maximum | 600V AC (RMS)/DC |

**Physical**

| | |
|---|---|
| Breakaway | Yes |
| Circuits (Loaded) | 8 |
| Circuits (maximum) | 8 |
| Color - Resin | Black |
| Durability (mating cycles max) | 50 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Gender | Male |
| Glow-Wire Capable | No |
| Guide to Mating Part | No |
| Keying to Mating Part | No |
| Lock to Mating Part | Yes |
| Material - Metal | Brass |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | Polyester |
| Mounting Style | Through Hole |
| Net Weight | 2.568/g |
| Number of Rows | 1 |
| Orientation | Vertical |
| Packaging Type | Bag |
| PCB Locator | No |
| PCB Retention | No |
| PCB Thickness - Recommended | 1.60mm |
| PC Tail Length | 4.37mm |
| Pitch - Mating Interface | 3.96mm |
| Pitch - Termination Interface | 3.96mm |
| Plating min - Mating | 0.381µm |
| Plating min - Termination | 2.540µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | No |
| Shrouded | Partially Shrouded |

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| | |
|---|---|
| Stackable | Yes |
| Temperature Range - Operating | -40° to +80°C |
| Termination Interface Style | Through Hole |

### Solder Process Data

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

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| KK 3.96mm Single Row Crimp Housings | 2139 |
| KK 3.96mm Single Row Crimp Housings | 3069 |
| KK 3.96mm Crimp Housings | 41695 |
| KK 396 PC Board Connector | 41815 |
| KK 3.96mm Pitch Single Row Crimp Housings | 6442 |

## Application Tooling



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