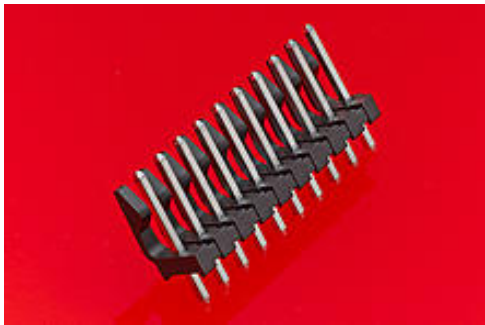




**Part Number :** [416710023](#)  
**Product Description :** KK 396 Breakaway Header,  
Vertical, Square Pin, with Friction Lock, 24 Circuits,  
0.38µm Gold (Au) Selective Plating  
**Series Number :** 41671  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles  
**Engineering Number :** A-41671-C24A208



## Documents & Resources

### Drawings

[416710023 sd.pdf](#)  
[PK-41671-001-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)  
[Symbol and Footprint \(Multi-Format\)](#)  
[SYM-41671-0023-001.zip](#)

### Specifications

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

## Product Environment Compliance

### Compliance

|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                                                 |
| China RoHS         | <br>per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                                 |
| Low-Halogen Status | Not Low-Halogen per IEC<br>61249-2-21                                                                        |
| REACH SVHC         | Not Contained per D(2025)4165-DC<br>(25 June 2025)                                                           |
| 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, 24 Circuits, 0.38µm Gold (Au) Selective Plating |
| Application    | Power, Wire-to-Board                                                                                               |
| Component Type | PCB Header                                                                                                         |
| Product Name   | KK 396                                                                                                             |
| UPC            | 800753883741                                                                                                       |

### Agency

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

### Electrical

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

## Physical

|                                |                           |
|--------------------------------|---------------------------|
| Breakaway                      | Yes                       |
| Circuits (Loaded)              | 24                        |
| Circuits (maximum)             | 24                        |
| Color - Resin                  | Black                     |
| Durability (mating cycles max) | 50                        |
| First Mate / Last Break        | No                        |
| Flammability                   | 94V-0                     |
| Glow-Wire Capable              | No                        |
| Lock to Mating Part            | Yes                       |
| Material - Metal               | Brass                     |
| Material - Plating Mating      | Gold                      |
| Material - Plating Termination | Tin                       |
| Material - Resin               | Polyester                 |
| Net Weight                     | 7.703/g                   |
| Number of Rows                 | 1                         |
| Orientation                    | Vertical                  |
| Packaging Type                 | Bag                       |
| PCB Locator                    | No                        |
| PCB Retention                  | None                      |
| PCB Thickness - Recommended    | 1.60mm                    |
| PC Tail Length                 | 4.37mm                    |
| Pitch - Mating Interface       | 3.96mm                    |
| Pitch - Termination Interface  | 3.96mm                    |
| 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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## Application Tooling