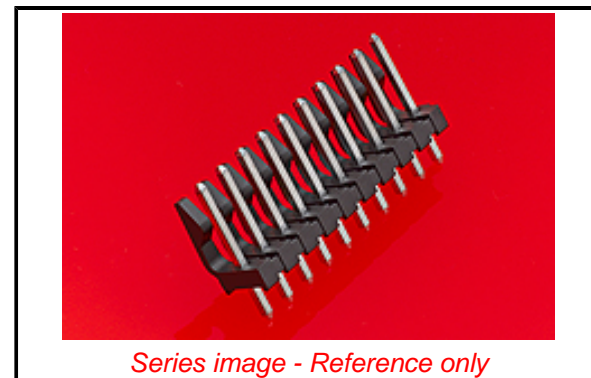


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**Part Number:** [0416710001](#)  
**Status:** **Active**  
**Overview:** [KK Interconnect Solutions](#)  
**Description:** KK 396 Breakaway Header, Vertical, Square Pin, with Friction Lock, 2 Circuits, 0.38µm Gold (Au) Selective Plating

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model</a>                                 | <a href="#">Packaging Specification PK-41671-001-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                           | <a href="#">Symbol Footprint Data SYM-41671-0001-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                            | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |
| <a href="#">Product Specification PS-08-50-001 (PDF)</a> |  |



**Agency Certification**

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

**Application tooling part link**

|                               |            |
|-------------------------------|------------|
| Application Tooling Part Link | 11-20-0901 |
|-------------------------------|------------|

**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers                               |
| Series         | <a href="#">41671</a>                     |
| Application    | Power, Wire-to-Board                      |
| Overview       | <a href="#">KK Interconnect Solutions</a> |
| Product Name   | KK 396                                    |
| UPC            | 191128088992                              |

**Physical**

|                                |                           |
|--------------------------------|---------------------------|
| Breakaway                      | Yes                       |
| Circuits (Loaded)              | 2                         |
| Circuits (maximum)             | 2                         |
| 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 - Plating Termination | Tin                       |
| Material - Resin               | Polyester                 |
| Net Weight                     | 0.642/g                   |
| Number of Rows                 | 1                         |
| Orientation                    | Vertical                  |
| PC Tail Length                 | 4.37mm                    |
| PCB Locator                    | No                        |
| PCB Retention                  | None                      |
| PCB Thickness - Recommended    | 1.60mm                    |
| Packaging Type                 | Bag                       |
| 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                       | Partial                   |
| Stackable                      | No                        |
| Temperature Range - Operating  | See Product Specification |

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

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

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[41671](#) Series

**Mates With**

[2139](#) KK Crimp Housing, [41695](#) KK Crimp Housing, [6442](#) KK Crimp Housing, [2145](#) PCB Connector, [41815](#) PCB Connector, [3069](#) KK Crimp Housing

Termination Interface: Style Through Hole

**Electrical**

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

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 005  
Lead-free Process Capability WAVE  
Max. Cycles at Max. Process Temperature 001  
Process Temperature max. C 235

**Material Info**

Engineering Number A-41671-C02A208

**Reference - Drawing Numbers**

Packaging Specification PK-41671-001-001  
Product Specification PS-08-50-001  
Sales Drawing SD-41671-001-001, SD-41671-001-002  
Symbol/Footprint Data SYM-41671-0001-001

This document was generated on 09/20/2021

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