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Part Number: [0416710006](#)
Status: **Active**
Overview: [KK® Interconnect System - Molex](#)
Description: KK 396 Breakaway Header, Vertical, Square Pin, with Friction Lock, 7 Circuits, 0.38µm Gold (Au) Selective Plating

Documents:

| | |
|--|--|
| 3D Model | Packaging Specification PK-41671-001-001 (PDF) |
| Drawing (PDF) | Symbol Footprint Data SYM-41671-0006 (PDF) |
| 3D Model (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-08-50-001 (PDF) | |

Agency Certification

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

Application tooling part link

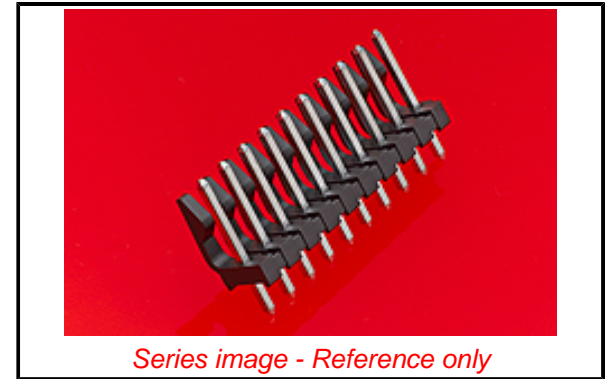
| | |
|-------------------------------|------------|
| Application Tooling Part Link | 11-20-0901 |
|-------------------------------|------------|

General

| | |
|----------------|---|
| Product Family | PCB Headers |
| Series | 41671 |
| Application | Power, Wire-to-Board |
| Overview | KK® Interconnect System - Molex |
| Product Name | KK 396 |
| UPC | 800756113272 |

Physical

| | |
|--------------------------------|---------------------------|
| Breakaway | Yes |
| Circuits (Loaded) | 7 |
| Circuits (maximum) | 7 |
| 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 | 2.381/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 |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
ECHA_01_2020 (16
January 2020

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-C07A208

Reference - Drawing Numbers

Packaging Specification PK-41671-001-001
Product Specification PS-08-50-001
Sales Drawing SD-41671-001, SD-41671-001-002
Symbol/Footprint Data SYM-41671-0006

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