



**Part Number :** [417910846](#)  
**Product Description :** KK 396 Header, Vertical, Friction Lock, 16 Circuits, 0.38µm Gold (Au) Selective Plating  
**Series Number :** 41791  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

**Drawings**  
[417910846\\_sd.pdf](#)  
[PK-41791-001-001.pdf](#)

**3D Models and Design Files**  
[417910846\\_stp.zip](#)

**Specifications**  
[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(2024)6225-DC (07 Nov 2024) |
| 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         | 41791                                                                                   |
| Description    | KK 396 Header, Vertical, Friction Lock, 16 Circuits, 0.38µm Gold (Au) Selective Plating |
| Application    | Power, Wire-to-Board                                                                    |
| Component Type | PCB Header                                                                              |
| Product Name   | KK 396                                                                                  |
| UPC            | 800753285620                                                                            |

#### Agency

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

#### Electrical

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 7.0A             |
| Voltage - Maximum             | 600V AC (RMS)/DC |

#### Physical

|                                |         |
|--------------------------------|---------|
| Breakaway                      | No      |
| Circuits (Loaded)              | 16      |
| Circuits (maximum)             | 16      |
| Color - Resin                  | Natural |
| Durability (mating cycles max) | 25      |
| Flammability                   | 94V-0   |
| Glow-Wire Capable              | No      |
| Lock to Mating Part            | Yes     |

|                               |                           |
|-------------------------------|---------------------------|
| Material - Metal              | Brass                     |
| Material - Plating Mating     | Gold                      |
| Material - Resin              | Polyester                 |
| Net Weight                    | 5.968/g                   |
| Number of Rows                | 1                         |
| Orientation                   | Vertical                  |
| Packaging Type                | Bag                       |
| PC Tail Length                | 3.56mm                    |
| PCB Locator                   | No                        |
| PCB Retention                 | None                      |
| PCB Thickness - Recommended   | 1.60mm                    |
| Pitch - Mating Interface      | 3.96mm                    |
| Plating min - Mating          | 0.381µm                   |
| Polarized to Mating Part      | Yes                       |
| Polarized to PCB              | No                        |
| Shrouded                      | Partial                   |
| Stackable                     | Yes                       |
| 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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