



**Part Number :** [1718130007](#)  
**Product Description :** 3.96mm Pitch, KK 396 RPC  
Vertical Header with Friction Lock, Tin (Sn) Plating, Pin  
Length 17.02mm, Bag, 7 Circuits, without Pegs  
**Series Number :** 171813  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

### Drawings

[1718130007\\_sd.pdf](#)  
[PK-41791-001-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)  
[Symbol and Footprint \(Multi-Format\)](#)  
[SYM-171813-0007-001.zip](#)

### Specifications

[PS-171813-0001-001.pdf](#)  
[PS-171813-0002-001.pdf](#)  
[TS-171813-0001-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 33                                                                              |
| China RoHS         | <br>per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                                 |
| Low-Halogen Status | Low-Halogen per IEC 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

## Part Details

### General

|                |                                                                                                                                                                   |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                                            |
| Category       | PCB Headers and Receptacles                                                                                                                                       |
| Series         | 171813                                                                                                                                                            |
| Description    | 3.96mm Pitch, KK 396 RPC Vertical Header with Friction Lock, Tin (Sn) Plating, Pin Length 17.02mm, Bag, 7 Circuits, without Pegs                                  |
| Application    | Board-to-Board, Power, Signal, Wire-to-Board                                                                                                                      |
| Comments       | See Product Specification for maximum current rating by material, AWG, and orientation;<br>See Product Specification for operating temperature range by material. |
| Component Type | PCB Header                                                                                                                                                        |
| Product Name   | KK 396                                                                                                                                                            |
| UPC            | 887191375342                                                                                                                                                      |

### Agency

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

## Electrical

|                               |            |
|-------------------------------|------------|
| Current - Maximum per Contact | 5.0A, 7.0A |
| Voltage - Maximum             | 250V       |

## Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 7                              |
| Circuits (maximum)             | 7                              |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 25                             |
| First Mate / Last Break        | No                             |
| Flammability                   | 94V-2                          |
| Glow-Wire Capable              | No                             |
| Guide to Mating Part           | No                             |
| Keying to Mating Part          | None                           |
| Lock to Mating Part            | Yes                            |
| Material - Metal               | Brass                          |
| Material - Plating Mating      | Matte Tin                      |
| Material - Plating Termination | Matte Tin                      |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 2.238/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Vertical                       |
| Packaging Type                 | Bag                            |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.60mm                         |
| Pitch - Mating Interface       | 3.96mm                         |
| Plating min - Mating           | 1.524µm                        |
| Plating min - Termination      | 1.524µm                        |
| Polarized to Mating Part       | Yes                            |
| Shrouded                       | Partial                        |

|                               |                               |
|-------------------------------|-------------------------------|
| Stackable                     | No                            |
| Temperature Range - Operating | -40° to +105°C, -40° to +80°C |
| Termination Interface Style   | Through Hole                  |

## Solder Process Data

|                              |          |
|------------------------------|----------|
| Max-Duration                 | 30       |
| Lead-Free Process Capability | SMC&WAVE |
| Max-Cycle                    | 3        |
| Max-Temp                     | 260      |

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## Mates With / Use With

### Mates with Part(s)

| Description                               | Part Number                  |
|-------------------------------------------|------------------------------|
| KK 3.96mm Single Row Crimp Housings       | <u><a href="#">2139</a></u>  |
| KK 3.96mm Single Row Crimp Housings       | <u><a href="#">3069</a></u>  |
| KK 3.96mm Crimp Housings                  | <u><a href="#">41695</a></u> |
| KK 396 PC Board Connector                 | <u><a href="#">41815</a></u> |
| KK 3.96mm Pitch Single Row Crimp Housings | <u><a href="#">6442</a></u>  |