

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1718140006](#)  
**Status:** **Active**  
**Overview:** [KK Interconnect Systems](#)  
**Description:** 3.96mm Pitch, KK 396 RPC Wire-to-Board Right-Angle Header with Friction Lock, Tin (Sn) Plating, Bag, 6 Circuits

**Documents:**

|  |   |
|--|---|
| <a href="#">3D Model</a>                                       | <a href="#">Packaging Specification PK-41792-002-001 (PDF)</a>  |
| <a href="#">3D Model (PDF)</a>                                 | <a href="#">Test Summary TS-171813-0001-001 (PDF)</a>           |
| <a href="#">Drawing (PDF)</a>                                  | <a href="#">Symbol Footprint Data SYM-171814-0006-001 (PDF)</a> |
| <a href="#">Product Specification PS-171813-0001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |
| <a href="#">Product Specification PS-171813-0002-001 (PDF)</a> |   |

**Agency Certification**

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

**General**

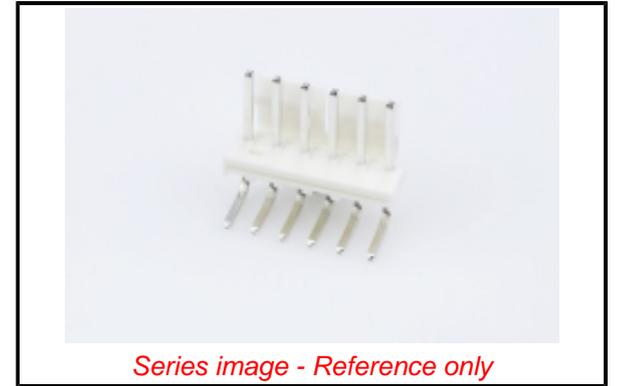
|                |   |
|----------------|---|
| Product Family | PCB Headers                             |
| Series         | <a href="#">171814</a>                  |
| Application    | Power, Signal, Wire-to-Board            |
| Overview       | <a href="#">KK Interconnect Systems</a> |
| Product Name   | KK 396                                  |
| Taxonomy       | PCB Headers and Receptacles             |
| UPC            | 887191375694                            |

**Physical**

|                                |                |
|--------------------------------|----------------|
| Breakaway                      | No             |
| Circuits (Loaded)              | 6              |
| Circuits (maximum)             | 6              |
| Color - Resin                  | Black          |
| Durability (mating cycles max) | 25             |
| First Mate / Last Break        | No             |
| Flammability                   | 94V-1          |
| Glow-Wire Capable              | No             |
| Guide to Mating Part           | No             |
| Keying to Mating Part          | None           |
| Lock to Mating Part            | Yes            |
| Material - Plating Mating      | Tin            |
| Material - Plating Termination | Nickel         |
| Material - Resin               | Nylon          |
| Net Weight                     | 2.504/g        |
| Number of Rows                 | 1              |
| Orientation                    | Right Angle    |
| PCB Locator                    | No             |
| PCB Retention                  | None           |
| PCB Thickness - Recommended    | 1.60mm         |
| Packaging Type                 | Bag            |
| Pitch - Mating Interface       | 3.96mm         |
| Shrouded                       | Partial        |
| Stackable                      | No             |
| Surface Mount Compatible (SMC) | Yes            |
| Temperature Range - Operating  | -40° to +105°C |
| Termination Interface: Style   | Through Hole   |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 7.0A |
|-------------------------------|------|



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**Halogen-Free**

**Status**

**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**

[171814 Series](#)

**Mates With**

[2145](#) , [41815](#) , [6442](#) , [2139](#) , [41695](#) , [3069](#)

Voltage - Maximum 250V

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 030  
Lead-free Process Capability SMC&WAVE  
Max. Cycles at Max. Process Temperature 003  
Process Temperature max. C 260

**Material Info**

Cross-Plant Material Status LT

**Reference - Drawing Numbers**

Packaging Specification PK-41792-002-001  
Product Specification PS-171813-0001-001, PS-171813-0002-001  
Sales Drawing SD-171814-0001-000, SD-171814-0001-002  
Symbol/Footprint Data SYM-171814-0006-001  
Test Summary TS-171813-0001-001

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