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**Part Number:** [1718134010](#)  
**Status:** **Active**  
**Overview:** [KK Interconnect Solutions](#)  
**Description:** 3.96mm Pitch, KK 396 RPC Vertical Header with Friction Lock, 15µm Gold (Au) Plating, Pin Length 17.02mm, Tape and Reel, 10 Circuits, without Pegs

**Documents:**

|                                                                |                                                                  |
|----------------------------------------------------------------|------------------------------------------------------------------|
| <a href="#">3D Model</a>                                       | <a href="#">Packaging Specification PK-171813-0001-000 (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="#">Test Summary TS-171813-0002-001 (PDF)</a>            |
| <a href="#">Product Specification PS-171813-0001-001 (PDF)</a> | <a href="#">Symbol Footprint Data SYM-171813-0010-001 (PDF)</a>  |
| <a href="#">Product Specification PS-171813-0002-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |

**Agency Certification**

UL E29179

**General**

|                |                                                                                                                                                                       |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Family | PCB Headers                                                                                                                                                           |
| Series         | <a href="#">171813</a>                                                                                                                                                |
| Application    | Board-to-Board, Power, Signal, Wire-to-Board                                                                                                                          |
| Comments       | See Product Specification for maximum current rating by material, AWG, and orientation.<br><br>See Product Specification for operating temperature range by material. |
| Overview       | <a href="#">KK Interconnect Solutions</a>                                                                                                                             |
| Product Name   | KK 396                                                                                                                                                                |
| UPC            | 887191572185                                                                                                                                                          |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 10                             |
| Circuits (maximum)             | 10                             |
| 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 - Metal               | Brass                          |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Matte Tin                      |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 3.240/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Vertical                       |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.60mm                         |
| Packaging Type                 | Embossed Tape on Reel          |
| Pitch - Mating Interface       | 3.96mm                         |
| Plating min - Mating           | 0.381µm                        |
| Plating min - Termination      | 1.524µm                        |
| Polarized to Mating Part       | Yes                            |
| Robotic Placement              | Pick and Place Cap             |
| Shrouded                       | Partial                        |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

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

**Halogen-Free**

**Status**

**Low-Halogen**

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

**China RoHS**

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[171813](#) Series

**Mates With**

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

|                                                |                                        |
|------------------------------------------------|----------------------------------------|
| Stackable                                      | No                                     |
| Surface Mount Compatible (SMC)                 | Yes                                    |
| Temperature Range - Operating                  | -40° to +105°C, -40° to +80°C          |
| Termination Interface: Style                   | Through Hole                           |
| <b>Electrical</b>                              |                                        |
| Current - Maximum per Contact                  | 5.0A, 7.0A                             |
| Voltage - Maximum                              | 250V                                   |
| <b>Solder Process Data</b>                     |                                        |
| Duration at Max. Process Temperature (seconds) | 030                                    |
| Lead-freeProcess Capability                    | SMC&WAVE                               |
| Max. Cycles at Max. Process Temperature        | 003                                    |
| Process Temperature max. C                     | 260                                    |
| <b>Material Info</b>                           |                                        |
| <b>Reference - Drawing Numbers</b>             |                                        |
| Packaging Specification                        | PK-171813-0001-000                     |
| Product Specification                          | PS-171813-0001-001, PS-171813-0002-001 |
| Sales Drawing                                  | SD-171813-0001-000, SD-171813-0001-002 |
| Symbol/Footprint Data                          | SYM-171813-0010-001                    |
| Test Summary                                   | TS-171813-0001-001, TS-171813-0002-001 |

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