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**Part Number:** [1718141005](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** 3.96mm Pitch, KK 396 RPC Wire-to-Board Right-Angle Header with Friction Lock, 15µm Gold (Au) Plating, Bag, 5 Circuits

**Documents:**

|                                                                |                                                                |
|----------------------------------------------------------------|----------------------------------------------------------------|
| <a href="#">3D Model</a>                                       | <a href="#">Product Specification PS-171813-0002-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                  | <a href="#">Product Specification TS-171813-0001-001 (PDF)</a> |
| <a href="#">Product Specification PS-171813-0001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (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 System - Molex</a> |
| Product Name   | KK 396                                          |
| UPC            | 887191429472                                    |

**Physical**

|                                |                 |
|--------------------------------|-----------------|
| Breakaway                      | No              |
| Circuits (Loaded)              | 5               |
| Circuits (maximum)             | 5               |
| Color - Resin                  | Black           |
| Durability (mating cycles max) | 25              |
| First Mate / Last Break        | No              |
| Flammability                   | 94V-1           |
| Glow-Wire Compliant            | No              |
| Guide to Mating Part           | No              |
| Keying to Mating Part          | None            |
| Lock to Mating Part            | Yes             |
| Material - Plating Mating      | Gold            |
| Material - Plating Termination | Nickel          |
| Material - Resin               | Nylon           |
| Net Weight                     | 2.080/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°C to +105°C |
| Termination Interface: Style   | Through Hole    |

**Electrical**

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

**Solder Process Data**

|                                                |     |
|------------------------------------------------|-----|
| Duration at Max. Process Temperature (seconds) | 030 |
|------------------------------------------------|-----|



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per -  
ED/30/2017 (7 July  
2017)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any  
non-product compliance questions.

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

**Search Parts in this Series**

[171814](#) Series

|                                         |                    |                                                               |
|-----------------------------------------|--------------------|---------------------------------------------------------------|
| Lead-free                               | Process Capability | SMC&WAVE                                                      |
| Max. Cycles at Max. Process Temperature |                    | 003                                                           |
| Process Temperature max. C              |                    | 260                                                           |
| <b>Material Info</b>                    |                    |                                                               |
| <b>Reference - Drawing Numbers</b>      |                    |                                                               |
| Product Specification                   |                    | PS-171813-0001-001, PS-171813-0002-001,<br>TS-171813-0001-001 |
| Sales Drawing                           |                    | SD-171814-0001-000, SD-171814-0001-002                        |

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