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Part Number: [1718130003](#)
Status: **Active**
Overview: [KK® Interconnect System - Molex](#)
Description: 3.96mm Pitch, KK® 396 RPC Vertical Header with Friction Lock, Tin (Sn) Plating, Pin Length 17.02mm, Bag, 3 Circuits

Documents:

| | |
|--|--|
| 3D Model | Product Specification TS-171813-0001-001 (PDF) |
| Drawing (PDF) | Packaging Specification PK-41791-001 (PDF) |
| Product Specification PS-171813-0001-001 (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-171813-0002-001 (PDF) | |

Agency Certification

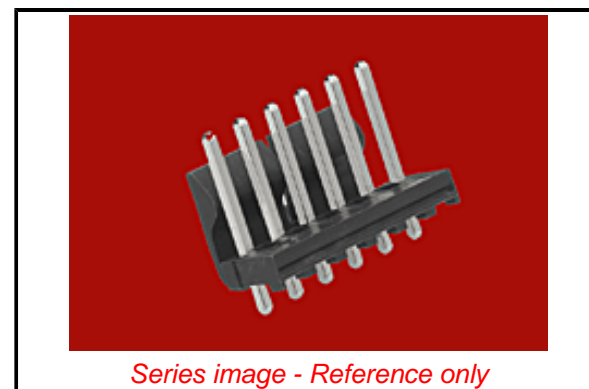
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|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

General

| | |
|----------------|---|
| Product Family | PCB Headers |
| Series | 171813 |
| Application | Board-to-Board, Power, Signal, Wire-to-Board |
| Comments | See Product Specification for maximum current rating by material, AWG, and orientation. See Product Specification for operating temperature range by material. |
| Overview | KK® Interconnect System - Molex |
| Product Name | KK® 396 |
| UPC | 887191374703 |

Physical

| | |
|--------------------------------|--------------------------------|
| Breakaway | No |
| Circuits (Loaded) | 3 |
| Circuits (maximum) | 3 |
| Color - Resin | Black |
| Durability (mating cycles max) | 25 |
| First Mate / Last Break | No |
| Flammability | 94V-1, 94V-2 |
| Glow-Wire Compliant | 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 | 0.917/g |
| Number of Rows | 1 |
| Orientation | Vertical |
| PCB Locator | No |
| PCB Retention | None |
| PCB Thickness - Recommended | 1.60mm |
| Packaging Type | Bag |
| Pitch - Mating Interface | 3.96mm |
| Plating min - Mating | 1.524µm |
| Plating min - Termination | 1.524µm |
| Polarized to Mating Part | Yes |
| Shrouded | Partial |
| Stackable | No |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

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
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

[171813 Series](#)

Mates With

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

| | |
|--------------------------------|---------------------------------|
| Surface Mount Compatible (SMC) | Yes |
| Temperature Range - Operating | -40°C to +105°C, -40°C to +80°C |
| Termination Interface: Style | Through Hole |

Electrical

| | |
|-------------------------------|------------|
| Current - Maximum per Contact | 5.0A, 7.0A |
| 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**Reference - Drawing Numbers**

| | |
|-------------------------|---|
| Packaging Specification | PK-41791-001 |
| Product Specification | PS-171813-0001-001, PS-171813-0002-001, TS-171813-0001-001 |
| Sales Drawing | SD-171813-0001-000, SD-171813-0001-002 |

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