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**Part Number:** 0417910833  
**Status:** Active  
**Overview:** KK® Interconnect System - Molex  
**Description:** KK 396 Header, Vertical, Friction Lock, 3 Circuits, 0.38µm Gold (Au) Selective Plating

**Documents:**  
[3D Model](#)  
[Drawing \(PDF\)](#)  
[Product Specification PS-08-50-001 \(PDF\)](#)  
[Packaging Specification PK-41791-001 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

|                                |                                 |
|--------------------------------|---------------------------------|
| <b>Agency Certification</b>    |                                 |
| CSA                            | LR19980                         |
| UL                             | E29179                          |
| <b>General</b>                 |                                 |
| Product Family                 | PCB Headers                     |
| Series                         | 41791                           |
| Application                    | Power, Wire-to-Board            |
| Overview                       | KK® Interconnect System - Molex |
| Product Name                   | KK 396                          |
| UPC                            | 800753290952                    |
| <b>Physical</b>                |                                 |
| Breakaway                      | No                              |
| Circuits (Loaded)              | 3                               |
| Circuits (maximum)             | 3                               |
| Color - Resin                  | Natural                         |
| Durability (mating cycles max) | 50                              |
| Flammability                   | 94V-0                           |
| Glow-Wire Capable              | No                              |
| Lock to Mating Part            | Yes                             |
| Material - Metal               | Brass                           |
| Material - Plating Mating      | Gold                            |
| Material - Plating Termination | Tin                             |
| Material - Resin               | Polyester                       |
| Net Weight                     | 1.119/g                         |
| Number of Rows                 | 1                               |
| Orientation                    | Vertical                        |
| PC Tail Length                 | 3.56mm                          |
| PCB Locator                    | No                              |
| PCB Retention                  | None                            |
| PCB Thickness - Recommended    | 1.60mm                          |
| Packaging Type                 | Bag                             |
| Pitch - Mating Interface       | 3.96mm                          |
| Plating min - Mating           | 0.381µm                         |
| Plating min - Termination      | 2.540µm                         |
| Polarized to Mating Part       | Yes                             |
| Polarized to PCB               | No                              |
| Shrouded                       | Partial                         |
| Stackable                      | Yes                             |
| Temperature Range - Operating  | See Product Specification       |
| Termination Interface: Style   | Through Hole                    |
| <b>Electrical</b>              |                                 |
| Current - Maximum per Contact  | 7.0A                            |
| Voltage - Maximum              | 250V                            |
| <b>Solder Process Data</b>     |                                 |



Series image - Reference only

|                                                                                                                                                                    |                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| <b>EU ELV</b><br>Not Relevant                                                                                                                                      |                   |
| <b>EU RoHS</b><br>Compliant<br><b>REACH SVHC</b><br>Not Contained Per -<br>ED/61/2018 (27 June<br>2018)<br><b>Halogen-Free</b><br><b>Status</b><br>Not Low-Halogen | <b>China RoHS</b> |
| China ROHS                                                                                                                                                         | Green Image       |
| ELV                                                                                                                                                                | Not Relevant      |
| RoHS Phthalates                                                                                                                                                    | Not Contained     |

**Search Parts in this Series**  
41791 Series

**Mates With**  
2139 KK Crimp Housing, 41695 KK Crimp  
Housing, 6442 KK Crimp Housing, 2145  
PCB Connector, 41815 PCB Connector,  
3069 KK Crimp Housing

|                                                |      |
|------------------------------------------------|------|
| Duration at Max. Process Temperature (seconds) | 005  |
| Lead-freeProcess Capability                    | WAVE |
| Max. Cycles at Max. Process Temperature        | 001  |
| Process Temperature max. C                     | 235  |

**Material Info**

**Reference - Drawing Numbers**

|                         |                              |
|-------------------------|------------------------------|
| Packaging Specification | PK-41791-001                 |
| Product Specification   | PS-08-50-001                 |
| Sales Drawing           | SDA-41791-000, SDA-41791-002 |

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