

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** [0417910846](#)  
**Status:** **Active**  
**Overview:** [KK Interconnect Solutions](#)  
**Description:** [KK 396 Header, Vertical, Friction Lock, 16 Circuits, 0.38μm Gold \(Au\) Selective Plating](#)

|                                |                                                                |
|--------------------------------|----------------------------------------------------------------|
| <b>Documents:</b>              |                                                                |
| <a href="#">3D Model</a>       | <a href="#">Product Specification PS-08-50-001 (PDF)</a>       |
| <a href="#">Drawing (PDF)</a>  | <a href="#">Packaging Specification PK-41791-001-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |

|                             |  |                                           |
|-----------------------------|--|-------------------------------------------|
| <b>Agency Certification</b> |  |                                           |
| CSA                         |  | LR19980                                   |
| UL                          |  | E29179                                    |
| <b>General</b>              |  |                                           |
| Product Family              |  | PCB Headers                               |
| Series                      |  | <a href="#">41791</a>                     |
| Application                 |  | Power, Wire-to-Board                      |
| Overview                    |  | <a href="#">KK Interconnect Solutions</a> |
| Product Name                |  | KK 396                                    |
| Taxonomy                    |  | PCB Headers and Receptacles               |
| UPC                         |  | 800753285620                              |

|                                |  |                           |
|--------------------------------|--|---------------------------|
| <b>Physical</b>                |  |                           |
| Breakaway                      |  | No                        |
| Circuits (Loaded)              |  | 16                        |
| Circuits (maximum)             |  | 16                        |
| 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 - Resin               |  | Polyester                 |
| Net Weight                     |  | 5.968/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                   |
| 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>                     |  |     |
| Duration at Max. Process Temperature (seconds) |  | 005 |



Series image - Reference only

|                                                                                                                                                                                                                                                       |                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>EU ELV</b><br><b>Not Relevant</b>                                                                                                                                                                                                                  |                                                                                               |
| <b>EU RoHS</b><br><b>Compliant</b><br><b>REACH SVHC</b><br>Not Contained Per -<br>D(2022)4187-DC (10<br>June 2022)<br><b>Halogen-Free</b><br><b>Status</b><br><b>Not Low-Halogen</b><br>For more information, please visit <a href="#">Contact US</a> | <b>China RoHS</b><br><br><br><br><br><br><br><br><br><br>China ROHS<br>ELV<br>RoHS Phthalates |
|                                                                                                                                                                                                                                                       | Green Image<br>Not Relevant<br>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

Lead-freeProcess Capability

Max. Cycles at Max. Process Temperature

Process Temperature max. C

WAVE  
001  
235

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification

Product Specification

Sales Drawing

PK-41791-001-001  
PS-08-50-001  
SDA-41791-000, SDA-41791-002

This document was generated on 09/03/2022

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**