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Part Number:

0417910859

Status:

Active

Overview:

KK Interconnect Solutions

Description:

KK 396 Header, Vertical, Friction Lock, 12 Circuits, 0.76µm Gold (Au) Selective Plating

|                |                                                |
|----------------|------------------------------------------------|
| Documents:     |                                                |
| 3D Model       | Product Specification PS-08-50-001 (PDF)       |
| 3D Model (PDF) | Packaging Specification PK-41791-001-001 (PDF) |
| Drawing (PDF)  | RoHS Certificate of Compliance (PDF)           |

|                      |                             |
|----------------------|-----------------------------|
| Agency Certification |                             |
| CSA                  | LR19980                     |
| UL                   | E29179                      |
| General              |                             |
| Product Family       | PCB Headers                 |
| Series               | 41791                       |
| Application          | Power, Wire-to-Board        |
| Overview             | KK Interconnect Solutions   |
| Product Name         | KK 396                      |
| Taxonomy             | PCB Headers and Receptacles |
| UPC                  | 191128082075                |

|                                |                           |
|--------------------------------|---------------------------|
| Physical                       |                           |
| Breakaway                      | No                        |
| Circuits (Loaded)              | 12                        |
| Circuits (maximum)             | 12                        |
| 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                     | 4.476/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           | 0.762µm                   |
| 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              |

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



Series image - Reference only

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

**Solder Process Data**

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

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