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**Part Number:** [42492-0341](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** KK® 396 Header, Right-Angle, Friction Lock with Press-fit Plastic Peg PCB, 7 Circuits, 0.76µm Gold (Au) Selective Plating

**Documents:**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <a href="#">3D Model</a>      | <a href="#">Product Specification PS-08-50 (PDF)</a> |
| <a href="#">Drawing (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a> |

**Agency Certification**

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

**General**

|                |                                                 |
|----------------|-------------------------------------------------|
| Product Family | PCB Headers                                     |
| Series         | <a href="#">42492</a>                           |
| Application    | Power, Wire-to-Board                            |
| Overview       | <a href="#">KK® Interconnect System - Molex</a> |
| Product Name   | KK® 396                                         |
| UPC            | 822350856904                                    |

**Physical**

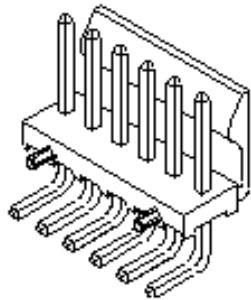
|                                |                           |
|--------------------------------|---------------------------|
| Breakaway                      | No                        |
| Circuits (Loaded)              | 7                         |
| Circuits (maximum)             | 7                         |
| Durability (mating cycles max) | 100                       |
| Flammability                   | 94V-0                     |
| Glow-Wire Compliant            | No                        |
| Lock to Mating Part            | Yes                       |
| Material - Metal               | Brass                     |
| Material - Plating Mating      | Gold                      |
| Material - Plating Termination | Tin                       |
| Net Weight                     | 3.348/g                   |
| Number of Rows                 | 1                         |
| Orientation                    | Right Angle               |
| PC Tail Length                 | 3.96mm                    |
| PCB Locator                    | Yes                       |
| PCB Retention                  | Yes                       |
| 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               | Yes                       |
| Shrouded                       | Partial                   |
| Stackable                      | Yes                       |
| Temperature Range - Operating  | See Product Specification |
| Termination Interface: Style   | Through Hole              |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 7A   |
| Voltage - Maximum             | 250V |

**Solder Process Data**

|                                                |   |
|------------------------------------------------|---|
| Duration at Max. Process Temperature (seconds) | 5 |
|------------------------------------------------|---|



Series

image - Reference only

**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Low-Halogen Status**  
**Not Low-Halogen**

**China RoHS**



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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of  
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any  
non-product compliance questions.

**Search Parts in this Series**

[42492Series](#)

**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-free Process Capability            | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature | 1                      |
| Process Temperature max. C              | 235                    |

**Material Info**

**Reference - Drawing Numbers**

|                       |              |
|-----------------------|--------------|
| Product Specification | PS-08-50     |
| Sales Drawing         | SD-42492-001 |

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