



**Part Number :** [09481064](#)  
**Product Description :** KK 396 PC Board Connector, Right Angle, Polyester Connector, 5.00µm Tin (Sn), 6 Circuits  
**Series Number :** 41815  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles  
**Engineering Number :** A-41815-0006



## Documents & Resources

### Drawings

[009481064 sd.pdf](#)  
[PK-41815-001-000.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)  
[Symbol and Footprint \(Multi-Format\)](#)  
[SYM-09-48-1064-001.zip](#)

### Specifications

[PS-08-50-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                                                 |
| China RoHS         | <br>per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                                 |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21                                                                           |
| REACH SVHC         | Not Contained per D(2025)4165-DC (25 June 2025)                                                              |
| EU RoHS            | Compliant per EU 2015/863                                                                                    |

## Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

## Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## Substances of Interest

- PFAS

## EU RoHS Certificate of Compliance

## Additional Product Compliance Information

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## Part Details

### General

|                |                                                                                          |
|----------------|------------------------------------------------------------------------------------------|
| Status         | Active                                                                                   |
| Category       | PCB Headers and Receptacles                                                              |
| Series         | 41815                                                                                    |
| Description    | KK 396 PC Board Connector, Right Angle, Polyester Connector, 5.00µm Tin (Sn), 6 Circuits |
| Application    | Board-to-Board, Power                                                                    |
| Component Type | PCB Receptacle                                                                           |
| Product Name   | KK 396                                                                                   |
| UPC            | 800754902083                                                                             |

### Agency

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

### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 5.0A |
| Voltage - Maximum             | 250V |

### Physical

|                                |                           |
|--------------------------------|---------------------------|
| Circuits (Loaded)              | 6                         |
| Circuits (maximum)             | 6                         |
| Color - Resin                  | Natural                   |
| First Mate / Last Break        | No                        |
| Flammability                   | 94V-0                     |
| Glow-Wire Capable              | No                        |
| Lock to Mating Part            | Yes                       |
| Material - Metal               | Phosphor Bronze           |
| Material - Plating Mating      | Tin                       |
| Material - Plating Termination | Tin                       |
| Material - Resin               | Polyester                 |
| Net Weight                     | 2.028/g                   |
| Number of Rows                 | 1                         |
| Orientation                    | Right Angle               |
| Packaging Type                 | Tray                      |
| PCB Locator                    | No                        |
| PCB Retention                  | Yes                       |
| PC Tail Length                 | 3.68mm                    |
| Pitch - Mating Interface       | 3.96mm                    |
| Plating min - Mating           | 5.080µm                   |
| Plating min - Termination      | 5.080µm                   |
| Polarized to PCB               | Yes                       |
| Temperature Range - Operating  | See Product Specification |
| Termination Interface Style    | Through Hole              |

### Solder Process Data

|                              |      |
|------------------------------|------|
| Max-Duration                 | 5    |
| Lead-Free Process Capability | WAVE |
| Max-Cycle                    | 1    |
| Max-Temp                     | 235  |

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### Mates With / Use With

#### Mates with Part(s)

| Description | Part Number |
|-------------|-------------|
|             |             |

|                                                    |              |
|----------------------------------------------------|--------------|
| KK 396 Vertical Breakaway Headers                  | <u>41661</u> |
| KK 396 Right-Angle Breakaway Headers               | <u>41662</u> |
| KK 396 Vertical Square Pin Breakaway Headers       | <u>41671</u> |
| KK 396 Right-Angle Friction Lock Breakaway Headers | <u>41672</u> |
| KK 396 Vertical Headers without Peg                | <u>41771</u> |
| KK 396 Right-Angle Headers without Peg             | <u>41772</u> |
| KK 396 Vertical Headers with Friction Lock         | <u>41791</u> |
| KK 396 Right-Angle Headers with Friction Lock      | <u>41792</u> |
| KK 396 Vertical Headers with Friction Lock         | <u>42491</u> |
| KK 396 Right-Angle Headers with Friction Lock      | <u>42492</u> |
| KK 396 Solid Vertical Headers with Friction Lock   | <u>42891</u> |