molex



**Part Number :** 09484028
**Product Description :** KK 396 PC Board Connector, Top Entry, with Ramp, Phosphor Bronze, 3.05mm Tail Length, 1.52µm Matte Tin (Sn) Plating, 2 Circuits
**Series Number :** 41815
**Status :** Active
**Product Category :** PCB Headers and Receptacles
**Engineering Part Number :** A-41815-0058

## Documents and Resources

### Drawings

009484028_sd.pdf

PK-41815-001-000.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

SYM-09-48-4028-001.zip

### Specifications

PS-08-50-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | 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)7771-DC (04 Feb 2026) |
| EU RoHS | Compliant per EU 2015/863 |

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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, Top Entry, with Ramp, Phosphor Bronze, 3.05mm Tail Length, 1.52µm Matte Tin (Sn) Plating, 2 Circuits |
| Application | Board-to-Board, Power |
| Component Type | PCB Receptacle |
| Product Name | KK 396 |
| UPC | 800754256933 |

### Agency

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

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 5.0A |
| Voltage - Maximum | 600V AC (RMS)/DC |

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### Physical

| | |
|---|---|
| Circuits (Loaded) | 2 |
| Circuits (maximum) | 2 |
| 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 | Matte Tin |
| Material - Plating Termination | Matte Tin |
| Material - Resin | Polyester |
| Net Weight | 0.723/g |
| Number of Rows | 1 |
| Orientation | Top Entry |
| Packaging Type | Tray |
| PCB Locator | No |
| PCB Retention | No |
| PCB Thickness - Recommended | 1.57mm |
| PC Tail Length | 3.05mm |
| Pitch - Mating Interface | 3.96mm |
| Pitch - Termination Interface | 3.96mm |
| Plating min - Mating | 1.520µm |
| Plating min - Termination | 1.520µm |
| Polarized to PCB | No |
| Temperature Range - Operating | -40° to +105°C |
| 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

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## Mates with Part(s)

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



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