



**Part Number :** [417910859](#)  
**Product Description :** KK 396 Header, Vertical, Friction Lock, 12 Circuits, 0.76µm Gold (Au) Selective Plating  
**Series Number :** 41791  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources


**Drawings**  
[417910859\\_sd.pdf](#)  
[PK-41791-001-001.pdf](#)

**3D Models and Design Files**  
[417910859\\_stp.zip](#)

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

## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)7663-DC (21 Jan 2025)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements  
- Eu RoHS  
- REACH SVHC  
- Low-Halogen

Multiple Part Industry Compliance Documents  
- IPC 1752A Class C

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

## EU RoHS Certificate of Compliance

---

### Part Details

#### General

Status	Active
Category	PCB Headers and Receptacles
Series	41791
Description	KK 396 Header, Vertical, Friction Lock, 12 Circuits, 0.76µm Gold (Au) Selective Plating
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Name	KK 396
UPC	191128082075

#### Agency

CSA	LR19980
UL	E29179

#### Electrical

Current - Maximum per Contact	7.0A
Voltage - Maximum	600V AC (RMS)/DC

#### Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Natural
Durability (mating cycles max)	25
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
Packaging Type	Bag
PC Tail Length	3.56mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
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

## Solder Process Data

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

---

## Mates With / Use With

### Mates with Part(s)

Description	Part Number
KK 3.96mm Single Row Crimp Housings	<u>2139</u>
KK 3.96mm Single Row Crimp Housings	<u>3069</u>

KK 3.96mm Crimp Housings	<u>41695</u>
KK 396 PC Board Connector	<u>41815</u>
KK 3.96mm Pitch Single Row Crimp Housings	<u>6442</u>

---

This document was generated on Apr 24, 2025