molex



Part Number : 424910316
Product Description : KK 396 Header, Vertical, Friction Lock with Press-fit Plastic Peg PCB, 6 Circuits, 0.38µm Gold (Au) Selective Plating
Series Number : 42491
Status : Active
Product Category : PCB Headers and Receptacles

Documents and Resources

Drawings

424910316_sd.pdf

PK-42491-001-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

SYM-26-64-4060-001.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)6375-DC (05 Nov 2025)
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

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	42491
Description	KK 396 Header, Vertical, Friction Lock with Press-fit Plastic Peg PCB, 6 Circuits, 0.38µm Gold (Au) Selective Plating
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Name	KK 396
UPC	822348347131

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

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Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
Durability (mating cycles max)	100
First Mate / Last Break	No
Glow-Wire Capable	No
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net Weight	2.254/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Bag
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
PC Tail Length	3.56mm
Pitch - Mating Interface	3.96mm
Plating min - Mating	0.381µm
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

Solder Process Data

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

Mates With / Use With

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Mates with Part(s)

Description	Part Number
KK 3.96mm Single Row Crimp Housings	2139
KK 3.96mm Single Row Crimp Housings	3069
KK 3.96mm Crimp Housings	41695
KK 396 PC Board Connector	41815
KK 3.96mm Pitch Single Row Crimp Housings	6442

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