molex



Part Number : 1718140006
Product Description : KK 396 RPC Right-Angle Header, 3.96mm Pitch, Friction Lock, Reflowed Matte Tin (Sn) Plating, 11.33mm Mating Pin Length, 2.54mm Tail Length, Bag, 6 Circuits
Series Number : 171814
Status : Active
Product Category : PCB Headers and Receptacles

Documents and Resources

Drawings

1718140006_sd.pdf

PK-41792-002-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

SYM-171814-0006-001.zip

Specifications

PS-171813-0001-001.pdf

PS-171813-0002-001.pdf

TS-171813-0001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 33; 44
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)

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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

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	171814
Description	KK 396 RPC Right-Angle Header, 3.96mm Pitch, Friction Lock, Reflowed Matte Tin (Sn) Plating, 11.33mm Mating Pin Length, 2.54mm Tail Length, Bag, 6 Circuits
Application	Wire-to-Board
Component Type	PCB Header
Product Name	KK 396
UPC	887191375694

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Black
Durability (mating cycles max)	25
First Mate / Last Break	No
Flammability	94V-1
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	No
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Matte Tin
Material - Plating Termination	Matte Tin
Material - Resin	Nylon
Net Weight	2.504/g
Number of Rows	1
Orientation	Right Angle
Packaging Type	Bag
PCB Locator	No
PCB Retention	No
PCB Thickness - Recommended	1.60mm
PC Tail Length	2.54mm
Pitch - Mating Interface	3.96mm
Pitch - Termination Interface	3.96mm
Plating min - Mating	1.524µm
Plating min - Termination	1.524µm
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Partially Shrouded
Stackable	Yes

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Temperature Range - Operating	-40° to +80°C
Termination Interface Style	Through Hole

Solder Process Data

Max-Duration	30
Lead-Free Process Capability	SMC&WAVE
Max-Cycle	3
Max-Temp	260

Mates With / Use With

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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