molex



Part Number : 1718141012
Product Description : 3.96mm Pitch, KK 396 RPC Wire-to-Board Right-Angle Header with Friction Lock, 15µm Gold (Au) Plating, Bag, 12 Circuits
Series Number : 171814
Status : Active
Product Category : PCB Headers and Receptacles

Documents and Resources

Drawings

1718141012_sd.pdf

PK-41792-002-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

SYM-171814-0012-001.zip

Specifications

PS-171813-0001-001.pdf

PS-171813-0002-001.pdf

TS-171813-0001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
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)6375-DC (05 Nov 2025) SCIP:97ff0af2-0e85-4ec0-

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	abc7-549ca90badb6
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	3.96mm Pitch, KK 396 RPC Wire-to-Board Right-Angle Header with Friction Lock, 15µm Gold (Au) Plating, Bag, 12 Circuits
Application	Power, Signal, Wire-to-Board
Component Type	PCB Header
Product Name	KK 396
UPC	887191429557

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
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	None
Lock to Mating Part	Yes
Material - Plating Mating	Gold
Material - Plating Termination	Nickel
Material - Resin	Nylon
Net Weight	5.081/g
Number of Rows	1
Orientation	Right Angle
Packaging Type	Bag
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	3.96mm
Shrouded	Partial
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

Solder Process Data

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

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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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