molex



Part Number : 1718571004
Product Description : KK 254 RPC Right-Angle Header, 2.54mm Pitch, Friction Lock, 0.38µm Gold (Au) Plating, 6.73mm Mating Pin Length, 2.54mm Tail Length, Bag, 4 Circuits
Series Number : 171857
Status : Active
Product Category : PCB Headers and Receptacles

Documents and Resources

Drawings

1718571004_sd.pdf

PK-7478-001-000.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

SYM-171857-0004-001.zip

Specifications

PS-171856-0001-001.pdf

PS-171856-0002-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 34; 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	171857
Description	KK 254 RPC Right-Angle Header, 2.54mm Pitch, Friction Lock, 0.38µm Gold (Au) Plating, 6.73mm Mating Pin Length, 2.54mm Tail Length, Bag, 4 Circuits
Application	Wire-to-Board, Board-to-Board
Component Type	PCB Header
Product Name	KK 254
UPC	887191417646

Agency

CSA	LR19980
UL	E29179

Electrical

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Current - Maximum per Contact	4.0A
Voltage - Maximum	500V AC

Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Durability (mating cycles max)	25
First Mate / Last Break	No
Flammability	94V-1
Gender	Male
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	Gold
Material - Plating Termination	Matte Tin
Material - Resin	Nylon
Mounting Style	Through Hole
Net Weight	0.521/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	2.54mm
Pitch - Termination Interface	2.54mm
Plating min - Mating	0.381µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	No

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Shrouded	Partially Shrouded
Stackable	Yes
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
Max-Temp	260

Mates With / Use With

Mates with Part(s)

Description	Part Number
KK 254 Single Row Crimp Housings	2695
KK 254 PC Board Connector	4455

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