



Part Number : [1718574002](#)

Product Description : 2.54mm Pitch, KK 254 RPC Wire-to-Board Right-Angle Header with Friction Lock, 15µm Gold (Au) Plating, Tape and Reel, 2 Circuits

Series Number : 171857

Status : Active

Product Category : PCB Headers and Receptacles

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## Documents & Resources

### Drawings

[Drawing 1718574002\\_sd.pdf](#)

[Packaging Design Drawing PK-171857-0001-001.pdf](#)

### 3D Models and Design Files

[3D Model 1718574002\\_stp.zip](#)

[Symbol Footprint Data SYM-171857-0002-001.zip](#)

### Specifications


[Product Specification PS-171856-0001-001.pdf](#)

[Product Specification PS-171856-0002-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
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

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## Part Details

### General

Status	Active
Category	PCB Headers and Receptacles
Series	171857
Description	2.54mm Pitch, KK 254 RPC Wire-to-Board Right-Angle Header with Friction Lock, 15µm Gold (Au) Plating, Tape and Reel, 2 Circuits
Application	Power, Signal, Wire-to-Board
Component Type	PCB Header
Product Family	KK Interconnect Systems
Product Name	KK 254
UPC	887191719368

### Agency

UL	E29179
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### Electrical

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

### Physical

Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
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	High Temperature Thermoplastic
Net Weight	0.250/g
Number of Rows	1
Orientation	Right Angle
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	2.54mm
Plating min - Mating	0.381µm
Polarized to Mating Part	Yes
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
Max-Temp	260

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### Mates With / Use With

#### Mates with Part(s)

Description	Part Number
KK 254 Single Row Crimp Housings	<u>2695</u>
KK 254 PC Board Connector	<u>4455</u>

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