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**Part Number:** [1718573003](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** 2.54mm Pitch, KK 254 RPC Wire-to-Board Right-Angle Header with Friction Lock, Tin (Sn) Plating, Tape and Reel, 3 Circuits

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification PS-171856-0002-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-171857-0001-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-171856-0001-001 (PDF)</a>	

**Agency Certification**

UL E29179

**General**

Product Family	PCB Headers
Series	<a href="#">171857</a>
3D Viewer	Yes
Application	Power, Signal, Wire-to-Board
CURRENT-MAX-NUMERIC	4.0
Overview	<a href="#">KK® Interconnect System - Molex</a>
PITCH-MATING-NUMERIC	2.54
Product Name	KK 254
UPC	887191716206

**Physical**

Breakaway	No
Circuits (Loaded)	3
Circuits (maximum)	3
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	Tin
Material - Plating Termination	Nickel
Material - Resin	High Temperature Thermoplastic
Net Weight	0.386/g
Number of Rows	1
Orientation	Right Angle
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	2.54mm
Plating min - Mating	1.524µm
Polarized to Mating Part	Yes
Shrouded	Partial
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/71/2019 (16 July  
2019)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[171857 Series](#)

**Mates With**

[4455](#) , [2695](#) , [6471](#)

**Electrical**

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

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	030
Lead-free Process Capability	SMC&WAVE
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	260

**Material Info****Reference - Drawing Numbers**

Packaging Specification	PK-171857-0001-001
Product Specification	PS-171856-0001-001, PS-171856-0002-001
Sales Drawing	SD-171857-0001-000, SD-171857-0001-002
Symbol/Footprint Data	SYM-171857-0003

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