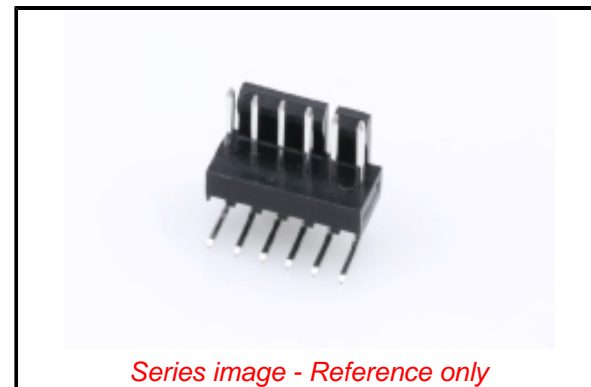


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1718570006](#)  
**Status:** **Active**  
**Overview:** [KK Interconnect Systems](#)  
**Description:** 2.54mm Pitch, KK 254 RPC Wire-to-Board Right-Angle Header with Friction Lock, Tin (Sn) Plating, Bag, 6 Circuits

**Documents:**

<a href="#">3D Model (PDF)</a>	<a href="#">Product Specification PS-171856-0002-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-7478-001-000 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Symbol Footprint Data SYM-171857-0006-001 (PDF)</a>
<a href="#">Product Specification PS-171856-0001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>



**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	<a href="#">171857</a>
Application	Power, Signal, Wire-to-Board
Component Type	PCB Header
Overview	<a href="#">KK Interconnect Systems</a>
Product Name	KK 254
Taxonomy	PCB Headers and Receptacles
UPC	887191376530

**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	None
Lock to Mating Part	Yes
Material - Plating Mating	Tin
Material - Plating Termination	Nickel
Material - Resin	Nylon
Net Weight	0.786/g
Number of Rows	1
Orientation	Right Angle
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Packaging Type	Bag
Pitch - Mating Interface	2.54mm
Shrouded	Partial
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole

**Electrical**

Current - Maximum per Contact	4.0A
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**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained per -  
D(2022)9120-DC (17  
Jan 2023)

**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](#)

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**

Cross-Plant Material Status LT

**Reference - Drawing Numbers**

Packaging Specification PK-7478-001-000  
Product Specification PS-171856-0001-001, PS-171856-0002-001  
Sales Drawing SD-171857-0001-000, SD-171857-0001-002  
Symbol/Footprint Data SYM-171857-0006-001

This document was generated on 03/20/2023

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