

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

**Part Number:** [1718564004](#)  
**Status:** **Active**  
**Overview:** KK® Interconnect System - Molex  
**Description:** 2.54mm Pitch, KK 254 RPC Vertical Header with Friction Lock, 15µm Gold (Au) Plating, Pin Length 12.95mm, Tape and Reel, 4 Circuits

**Documents:**

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

**Agency Certification**

UL E29179

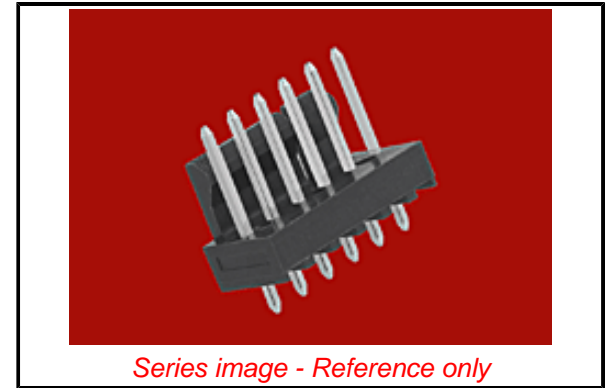
**General**

Product Family	PCB Headers
Series	<a href="#">171856</a>
Application	Board-to-Board, Power, Signal, Wire-to-Board
Comments	See Product Specification for maximum current rating by AWG.  See Product Specification for operating temperature range by material., See Product Specification for maximum current rating by AWG.  See Product Specification for operating temperature range by material.

Overview	<a href="#">KK® Interconnect System - Molex</a>
Product Name	KK 254
UPC	887191572369

**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
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Matte Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.449/g
Number of Rows	1
Orientation	Vertical
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	0.381µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Robotic Placement	Pick and Place Cap



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**

[171856 Series](#)

**Mates With**

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

Shrouded	Partial
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +105°C, -40° to +80°C
Termination Interface: Style	Through Hole

**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-171856-0001-000
Product Specification	PS-171856-0001-001, PS-171856-0002-001
Sales Drawing	SD-171856-0001-000, SD-171856-0001-002
Symbol/Footprint Data	SYM-171856-0004

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