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**Part Number:** [1718561010](#)  
**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, Bag, 10 Circuits

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification TS-171856-0001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-6373-001-000 (PDF)</a>
<a href="#">Product Specification PS-171856-0001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-171856-0002-001 (PDF)</a>	

**Agency Certification**

CSA	LR19980
UL	E29179

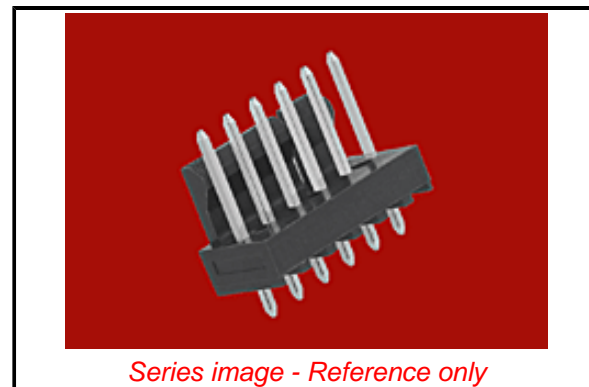
**General**

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.

Overview	<a href="#">KK® Interconnect System - Molex</a>
Product Name	KK 254
UPC	887191416298

**Physical**

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
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	1.149/g
Number of Rows	1
Orientation	Vertical
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Packaging Type	Bag
Pitch - Mating Interface	2.54mm
Plating min - Mating	0.381µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Shrouded	Partial
Stackable	No
Surface Mount Compatible (SMC)	Yes



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - ED/30/2017 (7 July 2017)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

[171856](#) Series

**Mates With**

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

Temperature Range - Operating -40°C to +105°C, -40°C 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-freeProcess Capability SMC&WAVE  
Max. Cycles at Max. Process Temperature 003  
Process Temperature max. C 260

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification PK-6373-001-000  
Product Specification PS-171856-0001-001, PS-171856-0002-001,  
TS-171856-0001-001  
Sales Drawing SD-171856-0001-000, SD-171856-0001-002

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