



**Part Number :** [1718564005](#)

**Product Description :** 2.54mm Pitch, KK 254 RPC Vertical Header with Friction Lock, 15µm Gold (Au) Plating, Pin Length 12.95mm, Tape and Reel, 5 Circuits

**Series Number :** 171856

**Status :** Active

**Product Category :** PCB Headers and Receptacles



---

## Documents & Resources

### Drawings

[1718564005\\_sd.pdf](#)

[PK-171856-0001-000.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

[SYM-171856-0005-001.zip](#)

### Specifications

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

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

---

## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

## Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

## Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## Substances of Interest

- PFAS

## EU RoHS Certificate of Compliance

## Additional Product Compliance Information

---

## Part Details

### General

Status	Active
Category	PCB Headers and Receptacles
Series	171856
Description	2.54mm Pitch, KK 254 RPC Vertical Header with Friction Lock, 15µm Gold (Au) Plating, Pin Length 12.95mm, Tape and Reel, 5 Circuits
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.
Component Type	PCB Header
Product Name	KK 254
UPC	887191572376

### Agency

UL	E29179
----	--------

### Electrical

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

## Physical

Breakaway	No
Circuits (Loaded)	5
Circuits (maximum)	5
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	0.567/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
PC Tail Length	2.34mm
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
Shrouded	Partial
Stackable	No
Temperature Range - Operating	-40° to +105°C, -40° to +80°C

Termination Interface Style	Through Hole
-----------------------------	--------------

### Solder Process Data

Max-Duration	30
Lead-Free Process Capability	SMC&WAVE
Max-Cycle	3
Max-Temp	260

---

### 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>