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**Part Number:** [1718564007](#)

**Status:** **Active**

**Overview:**

**Description:** 2.54mm Pitch, KK 254 RPC Vertical Header with Friction Lock, 15µm Gold (Au) Plating, Pin Length 12.95mm, Tape and Reel, 7 Circuits

**Agency Certification**

UL E29179

**General**

Product Family PCB Headers  
Series [171856](#)  
Application Board-to-Board, Power, Signal, Wire-to-Board  
Comments See Product Specification for maximum current rating by AWG.<br><br>See Product Specification for operating temperature range by material.  
Overview kk\_interconnect\_solutions  
Product Name KK 254  
UPC 887191572390

**Physical**

Breakaway No  
Circuits (Loaded) 7  
Circuits (maximum) 7  
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 0.796/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  
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

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**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](#)

**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
Symbol/Footprint Data	SYM-171856-0007-001

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