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Part Number: [1718561011](#)
Status: **Active**
Overview: [KK Interconnect Solutions](#)
Description: 2.54mm Pitch, KK 254 RPC Vertical Header with Friction Lock, 15µm Gold (Au) Plating, Pin Length 12.95mm, Bag, 11 Circuits

Documents:

| | |
|--|---|
| 3D Model | Product Specification PS-171856-0002-001 (PDF) |
| Drawing (PDF) | Packaging Specification PK-6373-001-000 (PDF) |
| 3D Model (PDF) | Symbol Footprint Data SYM-171856-0011-001 (PDF) |
| Product Specification PS-171856-0001-001 (PDF) | RoHS Certificate of Compliance (PDF) |



Agency Certification

| | |
|-----|---------|
| CSA | LR19980 |
| 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. See Product Specification for operating temperature range by material. |

| | |
|--------------|---|
| Overview | KK Interconnect Solutions |
| Product Name | KK 254 |
| UPC | 887191416304 |

Physical

| | |
|--------------------------------|--------------------------------|
| Breakaway | No |
| Circuits (Loaded) | 11 |
| Circuits (maximum) | 11 |
| 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 | 1.260/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 |

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](#)

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-6373-001-000
Product Specification PS-171856-0001-001, PS-171856-0002-001
Sales Drawing SD-171856-0001-000
Symbol/Footprint Data SYM-171856-0011-001

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