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Part Number: [1718563006](#)
Status: **Active**
Overview: [KK® Interconnect System - Molex](#)
Description: 2.54mm Pitch, KK® 254 RPC Vertical Header with Friction Lock, Tin (Sn) Plating, Pin Length 12.95mm, Tape and Reel, 6 Circuits

Documents:

[3D Model](#) [Packaging Specification PK-171856-0001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

UL E29179

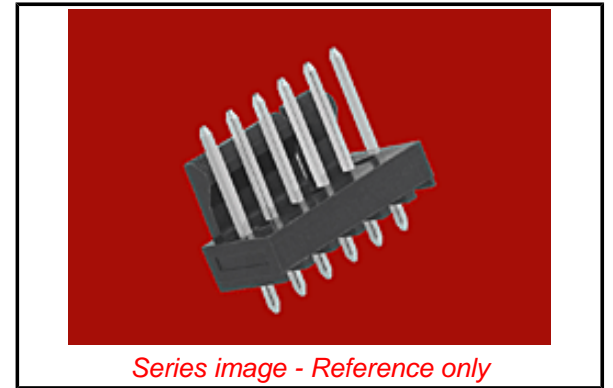
General

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.

See Product Specification for operating temperature range by material.
 Overview [KK® Interconnect System - Molex](#)
 Product Name KK® 254
 UPC 887191519890

Physical

Breakaway No
 Circuits (Loaded) 6
 Circuits (maximum) 6
 Color - Resin Black
 Durability (mating cycles max) 25
 First Mate / Last Break No
 Glow-Wire Compliant No
 Guide to Mating Part No
 Keying to Mating Part None
 Lock to Mating Part Yes
 Material - Metal Brass
 Material - Plating Mating Matte Tin
 Material - Plating Termination Matte Tin
 Material - Resin High Temperature Thermoplastic
 Net Weight 0.678/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 1.524µm
 Plating min - Termination 1.524µm
 Polarized to Mating Part Yes
 Robotic Placement Pick and Place Cap
 Shrouded Partial
 Stackable No
 Surface Mount Compatible (SMC) Yes
 Temperature Range - Operating -40°C to +105°C, -40°C to +80°C
 Termination Interface: Style Through Hole



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
 -ED/79/2015 (17
 December 2015)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

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

China ROHS
 ELV

Green Image
 Not Relevant

Search Parts in this Series

[171856](#) Series

Mates With

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

Electrical

Current - Maximum per Contact	4.0A
Voltage - Maximum	250V

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
Sales Drawing	SD-171856-0001

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