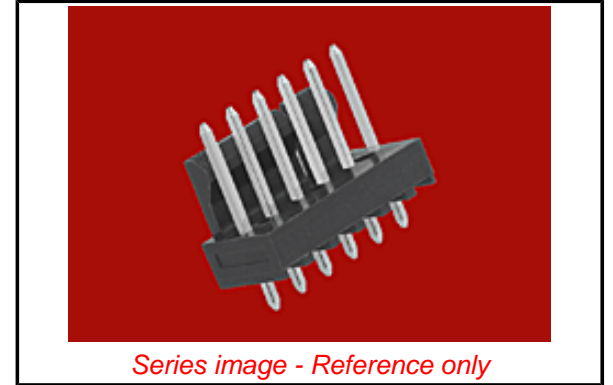


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Part Number: [1718563002](#)
Status: **Active**
Overview: KK® Interconnect System - Molex
Description: 2.54mm Pitch, KK® 254 RPC Vertical Header with Friction Lock, Tin (Sn) Plating, Pin Length 12.95mm, Tape and Reel, 2 Circuits

Documents:

3D Model	Packaging Specification PK-171856-0001 (PDF)
Drawing (PDF)	Test Summary TS-171856-0001 (PDF)
Product Specification PS-171856-0001 (PDF)	Test Summary TS-171856-0002 (PDF)
Product Specification PS-171856-0002 (PDF)	RoHS Certificate of Compliance (PDF)



Series image - Reference only

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	887191519876

Physical

Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
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	0.214/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

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](#)

Termination Interface: Style Through Hole

Electrical

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

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-171856-0001
Product Specification PS-171856-0001, PS-171856-0002
Sales Drawing SD-171856-0001
Test Summary TS-171856-0001, TS-171856-0002

This document was generated on 08/18/2016

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