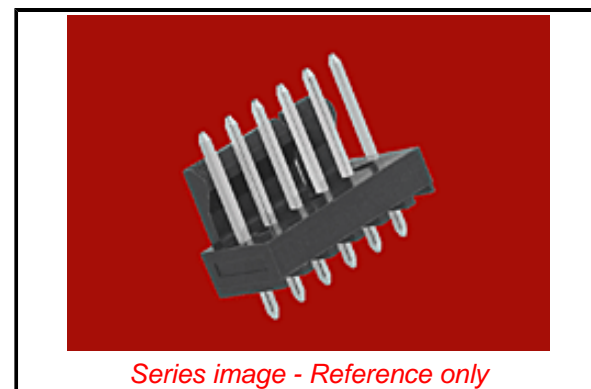


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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	Product Specification PS-171856-0002-001 (PDF)
Drawing (PDF)	Packaging Specification PK-171856-0001-000 (PDF)
3D Model (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-171856-0001-001 (PDF)	



Series image - Reference only

Agency Certification

UL E29179

General

Product Family	PCB Headers
Series	171856
3D Viewer	Yes
Application	Board-to-Board, Power, Signal, Wire-to-Board
CURRENT-MAX-NUMERIC	4.0
Comments	See Product Specification for maximum current rating by AWG. See Product Specification for operating temperature range by material., See Product Specification for maximum current rating by AWG. See Product Specification for operating temperature range by material.
Overview	KK® Interconnect System - Molex
PITCH-MATING-NUMERIC	2.54
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
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	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

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/71/2019 (16 July 2019)

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](#)

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° 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-171856-0001-000
Product Specification	PS-171856-0001-001, PS-171856-0002-001
Sales Drawing	SD-171856-0001-000, SD-171856-0001-002
Symbol/Footprint Data	SYM-171856-0006

This document was generated on 11/22/2019

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