

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [171856-0009](#)
Status: **Active**
Overview: [KK® Interconnect System - Molex](#)
Description: 2.54mm Pitch, KK® 254 RPC Wire-to-Board Vertical Header with Friction Lock, Tin (Sn) Plating, Bag, 9 Circuits

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-171856-0001 \(PDF\)](#)
[Product Specification PS-171856-0002 \(PDF\)](#)
[Test Summary TS-171856-0001 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

Product Family PCB Headers
Series [171856](#)
Application Power, Signal, Wire-to-Board
Overview [KK® Interconnect System - Molex](#)
Product Name KK® 254
UPC 887191376455

Physical

Breakaway No
Circuits (Loaded) 9
Circuits (maximum) 9
Color - Resin Black
Durability (mating cycles max) 25
First Mate / Last Break No
Flammability 94V-1
Glow-Wire Compliant Yes
Guide to Mating Part No
Keying to Mating Part None
Lock to Mating Part Yes
Material - Metal Brass
Material - Plating Mating Tin
Material - Plating Termination Nickel
Material - Resin High Temperature Thermoplastic
Net Weight 1.031/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
Polarized to Mating Part Yes
Shrouded Partial
Stackable No
Surface Mount Compatible (SMC) Yes
Temperature Range - Operating -40°C to +105°C
Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 4A



image - Reference only

Series

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Contains SVHC: No
Low-Halogen Status
Low-Halogen

China RoHS



**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series

[171856Series](#)

Mates With

4455 , 2695 , 6471

Voltage - Maximum	250V
-------------------	------

Solder Process Data

Duration at Max. Process Temperature (seconds)	30
Lead-free Process Capability	SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

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

This document was generated on 08/07/2014

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[171856-0009](#)