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Part Number: [171856-1010](#)
Status: **Active**
Overview: [KK® Interconnect System - Molex](#)
Description: 2.54mm Pitch, KK® 254 RPC Wire-to-Board Vertical Header with Friction Lock, 15µm Gold (Au) Plating, Bag, 10 Circuits

Documents:
[3D Model](#) [Product Specification PS-171856-0002 \(PDF\)](#)
[Drawing \(PDF\)](#) [Test Summary TS-171856-0001 \(PDF\)](#)
[Product Specification PS-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 887191416298

Physical

Breakaway No
Circuits (Loaded) 10
Circuits (maximum) 10
Color - Resin Black
Durability (mating cycles max) 50
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 Gold
Material - Plating Termination Nickel
Material - Resin High Temperature Thermoplastic
Net Weight 1.149/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
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



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](#)

Current - Maximum per Contact	4A
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

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