

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [171856-4006](#)
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, Tape and Reel, 6 Circuits

Documents:

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

Agency Certification

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	887191572383

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	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	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	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

Current - Maximum per Contact 4A

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, TS-171856-0002

This document was generated on 10/07/2014

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION