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Part Number: [171856-3012](#)
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, Tape and Reel, 12 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)	



General

Product Family	PCB Headers
Series	171856
Application	Power, Signal, Wire-to-Board
Overview	KK® Interconnect System - Molex
Product Name	KK® 254
UPC	887191570884

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
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	Tin
Material - Plating Termination	Nickel
Material - Resin	High Temperature Thermoplastic
Net Weight	1.378/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
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
Voltage - Maximum	250V

Solder Process Data

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

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

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