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Part Number: [0022288240](#)
Status: **Active**
Overview: [KK® Interconnect System - Molex](#)
Description: [KK® 254 Breakaway Header, Right-Angle Surface Mount Compatible, 24 Circuits, Tin \(Sn\) Plating, Mating Pin Length 6.20mm](#)

Documents:

3D Model	Product Specification PS-10-07-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	42377
Application	Board-to-Board, Signal, Wire-to-Board
Application Tooling Part Link	11-20-1230
Overview	KK® Interconnect System - Molex
Product Name	KK® 254
UPC	800753817258

Physical

Breakaway	Yes
Circuits (Loaded)	24
Circuits (maximum)	24
Color - Resin	Black
Durability (mating cycles max)	25
Flammability	94V-0
Glow-Wire Compliant	No
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	1.908/g
Number of Rows	1
Orientation	Right Angle
PC Tail Length	3.05mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Packaging Type	Bag
Pitch - Mating Interface	2.54mm
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Partial
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	See Product Specification
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	4.0A
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Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/01/2017 (12
January 2017)

Halogen-Free

Status

Not Low-Halogen

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

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any
non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[42377](#) Series

Mates With

KK® Crimp Housing [2695](#) , [6471](#) , [7880](#) ,
KK® PC Board Connector [4455](#)

Voltage - Maximum	250V
Solder Process Data	
Duration at Max. Process Temperature (seconds)	005
Lead-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	235
Material Info	
Engineering Number	42377-0024
Reference - Drawing Numbers	
Product Specification	PS-10-07-001
Sales Drawing	SD-42377-001-000, SD-42377-001-002

This document was generated on 02/22/2017

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