

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0022289241

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 8.23mm, with Kinked PC Tails

Documents:

3D Model

Drawing (PDF)

Product Specification PS-10-07-001 (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	800753823693	
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	2.100/g	
Number of Rows	1	
Orientation	Right Angle	
PC Tail Length	3.43mm	
PCB Locator	No	
PCB Retention	Yes	
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	



Series image - Reference only

EU ELV
Not Relevant

EU RoHS Compliant REACH SVHC Not Contained Per - ED/21/2016 (20 June 2016) Halogen-Free Status Not Low-Halogen	China RoHS
--	-------------------

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	42377-0199
Reference - Drawing Numbers	
Product Specification	PS-10-07-001
Sales Drawing	SD-42377-001-000, SD-42377-001-002

This document was generated on 01/19/2017

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION