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Part Number: [22-28-5251](#)
Status: **Active**
Overview: [KK® Interconnect System - Molex](#)
Description: KK® 254 Breakaway Header, Vertical, 25 Circuits, Tin (Sn) Plating, Mating Pin Length 8.13mm , with Kinked PC Tails

Documents:

[3D Model](#) [Product Specification PS-10-07 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

Product Family PCB Headers
Series [42375](#)
Application Board-to-Board, Signal, Wire-to-Board
Overview [KK® Interconnect System - Molex](#)
Product Name KK® 254
UPC 800753798526

Physical

Breakaway Yes
Circuits (Loaded) 25
Circuits (maximum) 25
Color - Resin Black
Durability (mating cycles max) 25
First Mate / Last Break No
Flammability 94V-0
Glow-Wire Compliant No
Guide to Mating Part No
Keying to Mating Part None
Lock to Mating Part None
Material - Metal Brass
Material - Plating Mating Tin
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Net Weight 1.934/g
Number of Rows 1
Orientation Vertical
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 No
Polarized to PCB No
Shrouded No
Stackable No
Surface Mount Compatible (SMC) Yes
Temperature Range - Operating See Product Specification
Termination Interface: Style Through Hole



image - Reference only

Series

EU RoHS

**ELV and RoHS
Compliant**

**REACH SVHC
Contains SVHC: No
Low-Halogen Status
Not 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

[42375Series](#)

Mates With

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

Electrical

Current - Maximum per Contact	4A
Voltage - Maximum	250V

Solder Process Data

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	235

Material Info

Old Part Number	42375-0445
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Reference - Drawing Numbers

Product Specification	PS-10-07
Sales Drawing	SD-42375-001

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