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Part Number: [0022285027](#)
Status: **Active**
Overview: [KK® Interconnect System - Molex](#)
Description: KK 254 Breakaway Header, Vertical, 2 Circuits, 0.76µm Gold (Au) Selective Plating, Mating Pin Length 8.13mm, with Kinked PC Tails

Documents:

[3D Model](#) [Packaging Specification PK-40873-0041-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-10-07-001 \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [42375](#)
 3D Viewer Yes
 Application Board-to-Board, Signal, Wire-to-Board
 CURRENT-MAX-NUMERIC 4.0
 Overview [KK® Interconnect System - Molex](#)
 PITCH-MATING-NUMERIC 2.54
 Product Name KK 254
 UPC 800753791435

Physical

Breakaway Yes
 Circuits (Loaded) 2
 Circuits (maximum) 2
 Color - Resin Black
 Durability (mating cycles max) 100
 First Mate / Last Break No
 Flammability 94V-0
 Glow-Wire Capable No
 Guide to Mating Part No
 Keying to Mating Part None
 Lock to Mating Part None
 Material - Metal Brass
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Net Weight 0.149/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 0.762µm
 Plating min - Termination 2.540µm
 Polarized to Mating Part No
 Polarized to PCB No
 Shrouded No
 Stackable No



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
 ED/71/2019 (16 July
 2019)

Halogen-Free

Status

Not Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[42375](#) Series

Mates With

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

Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	See Product Specification
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	4.0A
Voltage - Maximum	500V

Solder Process Data

Duration at Max. Process Temperature (seconds)	005
Lead-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

Material Info

Engineering Number	42375-0492
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Reference - Drawing Numbers

Packaging Specification	PK-40873-0041-001
Product Specification	PS-10-07-001
Sales Drawing	SD-42375-001

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