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**Part Number:** [0022285058](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** KK 254 Breakaway Header, Vertical, 5 Circuits, 0.76µm Gold (Au) Selective Plating, Mating Pin Length 7.49mm, 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 800754249294

**Physical**

Breakaway Yes  
Circuits (Loaded) 5  
Circuits (maximum) 5  
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 0.338/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**

**China RoHS**

**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

Green Image

ELV

Not Relevant

RoHS Phthalates

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              |
| <b>Electrical</b>                              |                           |
| Current - Maximum per Contact                  | 4.0A                      |
| Voltage - Maximum                              | 500V                      |
| <b>Solder Process Data</b>                     |                           |
| Duration at Max. Process Temperature (seconds) | 005                       |
| Lead-freeProcess Capability                    | WAVE                      |
| Max. Cycles at Max. Process Temperature        | 001                       |
| Process Temperature max. C                     | 260                       |
| <b>Material Info</b>                           |                           |
| Engineering Number                             | 42375-0600                |
| <b>Reference - Drawing Numbers</b>             |                           |
| Packaging Specification                        | PK-40873-0041-001         |
| Product Specification                          | PS-10-07-001              |
| Sales Drawing                                  | SD-42375-001              |

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22-28-5058