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**Part Number:** 0022284026  
**Status:** Active  
**Overview:** KK® Interconnect System - Molex  
**Description:** KK® 254 Breakaway Header, Vertical, 2 Circuits, 0.76µm Gold (Au) Selective Plating, Mating Pin Length 6.09mm

**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 42375  
Application Board-to-Board, Signal, Wire-to-Board  
Overview KK® Interconnect System - Molex  
Product Name KK® 254  
UPC 800754251594

**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 Compliant 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 0.133/g  
Number of Rows 1  
Orientation Vertical  
PC Tail Length 3.18mm  
PCB Locator No  
PCB Retention None  
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  
Surface Mount Compatible (SMC) Yes  
Temperature Range - Operating See Product Specification  
Termination Interface: Style Through Hole



Series image - Reference only

**EU ELV**

Not Relevant

**EU RoHS**

Compliant

**China RoHS**

**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](mailto: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**

42375 Series

**Mates With**

KK® Crimp Housing 2695 , 6471 , 7880 ,  
KK® PC Board Connector 4455

**Electrical**

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

**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                     | 260  |

**Material Info**

|                    |            |
|--------------------|------------|
| Engineering Number | 42375-0072 |
|--------------------|------------|

**Reference - Drawing Numbers**

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

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