

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** [0022285363](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** KK 254 Breakaway Header, Vertical, 36 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, Mating Pin Length 6.09mm (.240"), 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**

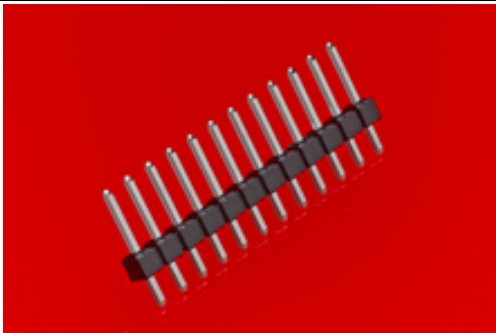
CSA LR19980  
UL E29179

**General**

Product Family PCB Headers  
Series [42375](#)  
Application Board-to-Board, Signal, Wire-to-Board  
Overview [KK® Interconnect System - Molex](#)  
Product Name KK 254  
UPC 800753799820

**Physical**

Breakaway Yes  
Circuits (Loaded) 36  
Circuits (maximum) 36  
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 2.232/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 0.381µm  
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/61/2018 (27 June  
2018)

**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](#)

**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 | 42375-0386 |
|--------------------|------------|

**Reference - Drawing Numbers**

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

This document was generated on 10/10/2018

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**