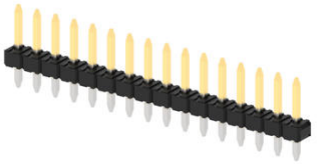
**Part Number :** 22284163
**Product Description :** KK 254 Breakaway Header, Vertical, 16 Circuits, 0.38µm Gold (Au) Plating, Mating Pin Length 6.09mm, Bag
**Series Number :** 42375
**Status :** Active
**Product Category :** PCB Headers and Receptacles
**Engineering Part Number :** 42375-0051



## Documents and Resources

### Drawings

022284163_sd.pdf

PK-40873-0041-001.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

### Specifications

PS-10-07-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 44; 34; 33 |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)7771-DC (04 Feb 2026) |
| EU RoHS | Compliant per EU 2015/863 |

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Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 42375 |
| Description | KK 254 Breakaway Header, Vertical, 16 Circuits, 0.38µm Gold (Au) Plating, Mating Pin Length 6.09mm, Bag |
| Application | Board-to-Board, Wire-to-Board |
| Component Type | PCB Header |
| Product Name | KK 254 |
| UPC | 800753833128 |

### Agency

| | |
|---|---|
| CSA | LR19980 |
| UL | E29179 |

### Electrical

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

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## Physical

| | |
|---|---|
| Breakaway | Yes |
| Circuits (Loaded) | 16 |
| Circuits (maximum) | 16 |
| Color - Resin | Black |
| Durability (mating cycles max) | 100 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Gender | Male |
| Glow-Wire Capable | No |
| Guide to Mating Part | No |
| Keying to Mating Part | No |
| Lock to Mating Part | No |
| Material - Metal | Brass |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | Nylon |
| Mounting Style | Through Hole |
| Net Weight | 1.014/g |
| Number of Rows | 1 |
| Orientation | Vertical |
| Packaging Type | Bag |
| PCB Locator | No |
| PCB Retention | No |
| PCB Thickness - Recommended | 1.60mm |
| PC Tail Length | 3.18mm |
| Pitch - Mating Interface | 2.54mm |
| Pitch - Termination Interface | 2.54mm |
| Plating min - Mating | 0.381µm |
| Plating min - Termination | 2.540µm |
| Polarized to Mating Part | No |
| Polarized to PCB | No |
| Shrouded | Unshrouded |
| Stackable | No |
| Temperature Range - Operating | -40° to +80°C |

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| | |
|---|---|
| Termination Interface Style | Through Hole |

### Solder Process Data

| | |
|---|---|
| Max-Duration | 5 |
| Lead-Free Process Capability | WAVE |
| Max-Cycle | 1 |
| Max-Temp | 260 |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| KK 254 Single Row Crimp Housings | 2695 |
| KK 254 Receptacle Housings | 7880 |
| KK 254 PC Board Connector | 4455 |
| 2.54mm Pitch C-Grid Shunt Terminal Housings | 7859 |



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