



**Part Number :** [22284206](#)

**Product Description :** KK 254 Breakaway Header, Vertical, 20 Circuits, 0.76µm Gold (Au) Plating, Mating Pin Length 6.09mm, Bag

**Series Number :** 42375

**Status :** Active

**Product Category :** PCB Headers and Receptacles

**Engineering Part Number :** 42375-0090



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## Documents and Resources

### Drawings

[022284206 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](#)

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## 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   |

## 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, 20 Circuits, 0.76µm Gold (Au) Plating, Mating Pin Length 6.09mm, Bag |
| Application    | Board-to-Board, Signal, Wire-to-Board   |
| Component Type | PCB Header  |
| Product Name   | KK 254  |
| UPC            | 800753834552  |

### Agency

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

### Electrical

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

## Physical

|                                |               |
|--------------------------------|---------------|
| Breakaway                      | Yes           |
| Circuits (Loaded)              | 20            |
| Circuits (maximum)             | 20            |
| Color - Resin                  | Black         |
| Durability (mating cycles max) | 25            |
| First Mate / Last Break        | No            |
| Flammability                   | 94V-0         |
| 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         |
| Net Weight                     | 1.524/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           | 0.762µm       |
| 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 |
| Termination Interface Style    | Through Hole  |

## Solder Process Data

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

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## Mates With / Use With

### Mates with Part(s)

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

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