



**Part Number :** [22285042](#)  
**Product Description :** KK 254 Breakaway Header, Vertical, 4 Circuits, Tin (Sn) Plating, Mating Pin Length 7.49mm, with Kinked PC Tails  
**Series Number :** 42375  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles  
**Engineering Number :** 42375-0529



Documents & Resources

**Drawings**  
[022285042\\_sd.pdf](#)  
[PK-40873-0041-001.pdf](#)

**3D Models and Design Files**  
[022285042\\_stp.zip](#)

**Specifications**  
[PS-10-07-001.pdf](#)

Product Environment Compliance

Compliance

|                    |   |
|--------------------|---|
| GADSL/IMDS         | Not Relevant  |
| China RoHS         |  |
| EU ELV             | Not Relevant  |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21  |
| REACH SVHC         | Not Contained per D(2024)6225-DC (07 Nov 2024)  |
| EU RoHS            | Compliant per EU 2015/863   |

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

## Multiple Part Industry Compliance Documents

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

## EU RoHS Certificate of Compliance

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### Part Details

#### General

|                |   |
|----------------|---|
| Status         | Active  |
| Category       | PCB Headers and Receptacles   |
| Series         | 42375   |
| Description    | KK 254 Breakaway Header, Vertical, 4 Circuits, Tin (Sn) Plating, Mating Pin Length 7.49mm, with Kinked PC Tails |
| Application    | Board-to-Board, Signal, Wire-to-Board   |
| Component Type | PCB Header  |
| Product Name   | KK 254  |
| UPC            | 800754388054  |

#### Agency

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

#### Electrical

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

#### Physical

|                                |       |
|--------------------------------|-------|
| Breakaway                      | Yes   |
| Circuits (Loaded)              | 4     |
| Circuits (maximum)             | 4     |
| 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          | None                           |
| Lock to Mating Part            | None                           |
| Material - Metal               | Brass                          |
| Material - Plating Mating      | Tin                            |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 0.268/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Vertical                       |
| Packaging Type                 | Bag                            |
| PC Tail Length                 | 3.43mm                         |
| PCB Locator                    | No                             |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 1.60mm                         |
| Pitch - Mating Interface       | 2.54mm                         |
| Plating min - Mating           | 2.540µm                        |
| Plating min - Termination      | 2.540µm                        |
| Polarized to Mating Part       | No                             |
| Polarized to PCB               | No                             |
| Shrouded                       | No                             |
| Stackable                      | No                             |
| Temperature Range - Operating  | See Product Specification      |
| Termination Interface Style    | Through Hole                   |

## Solder Process Data

|                              |      |
|------------------------------|------|
| Max-Duration                 | 5    |
| Lead-Free Process Capability | WAVE |
| Max-Cycle                    | 1    |
| Max-Temp                     | 235  |

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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<br>Terminal Housings | <u>7859</u> |

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