



Part Number : [22284104](#)

Product Description : KK 254 Breakaway Header, Vertical, 10 Circuits, 0.38µm Gold (Au) Selective Plating

Series Number : 42375

Status : Active

Product Category : PCB Headers and Receptacles

Engineering Number : 42375-0150



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## Documents & Resources

### Drawings

[022284104\\_sd.pdf](#)

[PK-40873-0041-001.pdf](#)

### 3D Models and Design Files

[022284104\\_stp.zip](#)


### Specifications

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

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## Product Environment Compliance

### Compliance

|                    |   |
|--------------------|---|
| GADSL/IMDS         | Compliant with Exemption 33; 44; 34   |
| 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, 10 Circuits, 0.38µm Gold (Au) Selective Plating |
| Application    | Board-to-Board, Signal, Wire-to-Board  |
| Component Type | PCB Header   |
| Product Name   | KK 254   |
| UPC            | 800753625990   |

#### Agency

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

#### Electrical

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

#### Physical

|                                |       |
|--------------------------------|-------|
| Breakaway                      | Yes   |
| Circuits (Loaded)              | 10    |
| Circuits (maximum)             | 10    |
| 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                     | 0.718/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Vertical                       |
| Packaging Type                 | Bag                            |
| PC Tail Length                 | 3.05mm                         |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.60mm                         |
| 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                             |
| 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                     | 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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This document was generated on Mar 12, 2025