



Part Number : [22284121](#)
Product Description : KK 254 Breakaway Header, Vertical, 12 Circuits, Tin (Sn) Plating, Mating Pin Length 8.13mm
Series Number : 42375
Status : Active
Product Category : PCB Headers and Receptacles
Engineering Number : 42375-0117



Documents & Resources


Drawings
[022284121_sd.pdf](#)
[PK-40873-0041-001.pdf](#)

3D Models and Design Files
[022284121_stp.zip](#)

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

Product Environment Compliance

Compliance

| | |
|--------------------|---|
| GADSL/IMDS | Compliant with Exemption 33; 44 |
| 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

Part Details

General

| | |
|----------------|--|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 42375 |
| Description | KK 254 Breakaway Header, Vertical, 12 Circuits, Tin (Sn) Plating, Mating Pin Length 8.13mm |
| Application | Board-to-Board, Signal, Wire-to-Board |
| Component Type | PCB Header |
| Product Name | KK 254 |
| UPC | 800753831308 |

Agency

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

Electrical

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

Physical

| | |
|--------------------|-------|
| Breakaway | Yes |
| Circuits (Loaded) | 12 |
| Circuits (maximum) | 12 |
| 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 | 0.816/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 | 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 |

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> |