



Part Number : [878910606](#)

Product Description : KK 254 PCB Header, Through Hole, Breakaway, Vertical, 6 Circuits, 2.50µm Tin (Sn) Overall Plating, Tray Packaging, Lead-Free

Series Number : 87891

Status : Active

Product Category : PCB Headers and Receptacles



Documents and Resources

Drawings

[878910606_sd.pdf](#)

[PK-89990-489-001.pdf](#)

[PK-89990-934-001.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

Specifications


[PS-87920-019-001.pdf](#)

[879200000-TS-000.pdf](#)

[879200001-TS-000.pdf](#)

Product Environment Compliance

Compliance

| | |
|--------------------|---|
| GADSL/IMDS | Compliant with Exemption 44; 33 |
| China RoHS |  per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)6375-DC (05 Nov 2025) |

| | |
|---------|---------------------------|
| 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

Part Details

General

| | |
|----------------|--|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 87891 |
| Description | KK 254 PCB Header, Through Hole, Breakaway, Vertical, 6 Circuits, 2.50µm Tin (Sn) Overall Plating, Tray Packaging, Lead-Free |
| Application | Board-to-Board, Signal, Wire-to-Board |
| Component Type | PCB Header |
| Product Name | KK 254 |
| UPC | 822350583039 |

Agency

| | |
|----|--------|
| UL | E29179 |
|----|--------|

Electrical

| | |
|-------------------------------|------|
| Current - Maximum per Contact | 3.0A |
| Voltage - Maximum | 250V |

Physical

| | |
|--------------------------------|----------------|
| Breakaway | Yes |
| Circuits (Loaded) | 6 |
| Circuits (maximum) | 6 |
| Color - Resin | Black |
| 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 |
| Mated Height | 5.84mm |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Nickel |
| Material - Resin | Nylon |
| Net Weight | 0.379/g |
| Number of Rows | 1 |
| Orientation | Vertical |
| Packaging Type | Tray |
| PCB Locator | No |
| PCB Retention | None |
| PCB Thickness - Recommended | 1.60mm |
| PC Tail Length | 2.97mm |
| Pitch - Mating Interface | 2.54mm |
| Pitch - Termination Interface | 2.54mm |
| Plating min - Mating | 2.540µm |
| Plating min - Termination | 1.270µm |
| Polarized to Mating Part | No |
| Polarized to PCB | No |
| Shrouded | No |
| Stackable | No |
| Temperature Range - Operating | -55° to +105°C |
| Termination Interface Style | Through Hole |

Solder Process Data

| | |
|------------------------------|------|
| Max-Duration | 12 |
| Lead-Free Process Capability | WAVE |
| Max-Cycle | 1 |
| Max-Temp | 260 |

Mates With / Use With

Mates with Part(s)

| Description | Part Number |
|---|--------------|
| KK 254 PC Board Connector | <u>4455</u> |
| SL Single Row Female Insulation Displacement Connector Assemblies | <u>70400</u> |
| C-Grid III Vertical Single Row PC Board Connectors | <u>90147</u> |
| C-Grid III Right-Angle Single Row PC Board Connectors | <u>90148</u> |

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