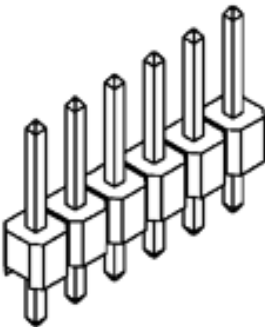




**Part Number :** [878914001](#)  
**Product Description :** KK 254 PCB Header, Through Hole, Breakaway, Vertical, 40 Circuits, Gold (Au) Flash Plating, Bag Packaging, Lead-Free  
**Series Number :** 87891  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles




## Documents & Resources

**Drawings**  
[878914001\\_sd.pdf](#)  
[PK-89990-489-001.pdf](#)  
[PK-89990-934-001.pdf](#)

**Specifications**  
[PS-87920-019-001.pdf](#)  
[879200001-TS-000.pdf](#)

## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	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	87891
Description	KK 254 PCB Header, Through Hole, Breakaway, Vertical, 40 Circuits, Gold (Au) Flash Plating, Bag Packaging, Lead-Free
Application	Board-to-Board, Signal, Wire-to-Board
Component Type	PCB Header
Product Name	KK 254
UPC	822350740777

#### Agency

UL	E29179
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#### Electrical

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

#### Physical

Breakaway	Yes
Circuits (Loaded)	40
Circuits (maximum)	40
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	Gold
Material - Plating Termination	Nickel
Material - Resin	Nylon
Net Weight	0.970/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Bag
PC Tail Length	2.97mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Plating min - Mating	0.025µm
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

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## 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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This document was generated on Mar 03, 2025