molex



Part Number : 878910204
Product Description : KK 254 PCB Header, Through Hole, Breakaway, Vertical, 2 Circuits, 0.38µm Gold (Au) Selective Plating, Tray Packaging, Lead-Free
Series Number : 87891
Status : Active
Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings

878910204_sd.pdf

PK-89990-487-001.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; 34; 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)4165-DC (25 June 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, 2 Circuits, 0.38µm Gold (Au) Selective Plating, Tray Packaging, Lead-Free
Application	Board-to-Board, Signal, Wire-to-Board
Component Type	PCB Header
Product Name	KK 254
UPC	822350574808

Agency

UL	E29179

Electrical

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

Physical

Breakaway	Yes
Circuits (Loaded)	2
Circuits (maximum)	2
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	Tin
Material - Resin	Nylon
Net Weight	107.481/mg
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	0.381µm
Plating min - Termination	1.905µm
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	4455
SL Single Row Female Insulation Displacement Connector Assemblies	70400
C-Grid III Vertical Single Row PC Board Connectors	90147
C-Grid III Right-Angle Single Row PC Board Connectors	90148