



**Part Number :** [22284122](#)

**Product Description :** KK 254 Breakaway Header, Vertical, 12 Circuits, Tin (Sn) Plating, Mating Pin Length 7.49mm

**Series Number :** 42375

**Status :** Active

**Product Category :** PCB Headers and Receptacles

**Engineering Part Number :** 42375-0222



---

## Documents and Resources

### Drawings

[022284122 sd.pdf](#)

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

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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


### Specifications

[PS-10-07-001.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	Not 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	42375
Description	KK 254 Breakaway Header, Vertical, 12 Circuits, Tin (Sn) Plating, Mating Pin Length 7.49mm
Application	Board-to-Board, Signal, Wire-to-Board
Component Type	PCB Header
Product Name	KK 254
UPC	800753831315

### 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	0.792/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Bag
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
PC Tail Length	3.05mm
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>

---

This document was generated on Jan 23, 2026