



**Part Number :** [22286021](#)  
**Product Description :** KK 254 Breakaway Header, Right-Angle, 2 Circuits, Tin (Sn) Plating, Mating Pin Length 10.29mm (.405")  
**Series Number :** 42376  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles  
**Engineering Number :** 42376-0107



Documents & Resources


**Drawings**  
[022286021\\_sd.pdf](#)  
[PK-40873-0041-001.pdf](#)  
[PK-40873-0043-001.pdf](#)

**3D Models and Design Files**  
[022286021\\_stp.zip](#)  
[SYM-22-28-6023-001.zip](#)

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

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
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	42376
Description	KK 254 Breakaway Header, Right-Angle, 2 Circuits, Tin (Sn) Plating, Mating Pin Length 10.29mm (.405")
Application	Board-to-Board, Signal, Wire-to-Board
Component Type	PCB Header
Product Name	KK 254
UPC	800753799899

### Agency

CSA	LR19980
UL	E29179

### Electrical

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

### Physical

Breakaway	Yes
Circuits (Loaded)	2
Circuits (maximum)	2
Color - Resin	Black

Durability (mating cycles max)	25
Flammability	94V-0
Glow-Wire Capable	No
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.187/g
Number of Rows	1
Orientation	Right Angle
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 PC Board Connector	<u>4455</u>
KK 254 Receptacle Housings	<u>7880</u>

---

This document was generated on Mar 13, 2025