# molex

Part Number: 22284026

Product Description: KK 254 Breakaway Header, Vertical, 2 Circuits, 0.76µm Gold (Au) Selective Plating, Mating Pin Length 6.09mm

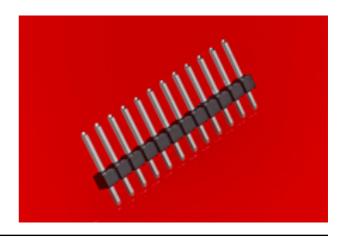
Series Number: 42375

Status: Active

**Product Category: PCB Headers and** 

Receptacles

Engineering Number: 42375-0072



#### **Documents & Resources**

#### **Drawings**

<u>022284026\_sd.pdf</u> PK-40873-0041-001.pdf

#### 3D Models and Design Files

022284026\_stp.zip

## **Specifications**

PS-10-07-001.pdf

# **Product Environment Compliance**

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	<b>©</b>
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2- 21
REACH SVHC	Not Contained per D(2024)7663-DC (21 Jan 2025)
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	42375
Description	KK 254 Breakaway Header, Vertical, 2 Circuits, 0.76µm Gold (Au) Selective Plating, Mating Pin Length 6.09mm
Application	Board-to-Board, Signal, Wire-to- Board
Component Type	PCB Header
Product Name	KK 254
UPC	800754251594

# 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)	100

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	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.133/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Bag
PC Tail Length	3.18mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	2.54mm
Plating min - Mating	0.762µm
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	260

# Mates With / Use With

# Mates with Part(s)

Description	Part Number
KK 254 Single Row Crimp Housings	<u>2695</u>
KK 254 Receptacle Housings	7880
KK 254 PC Board Connector	4455
2.54mm Pitch C-Grid Shunt Terminal Housings	7859

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