# molex

Part Number: 22288140

Product Description: KK 254 Breakaway Header, Right-Angle Surface Mount Compatible, 14 Circuits, Tin (Sn) Plating,

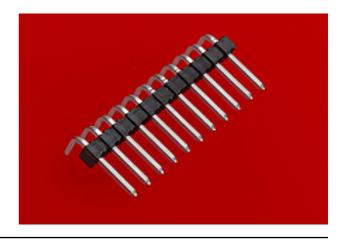
Mating Pin Length 6.20mm Series Number: 42377

Status: Active

**Product Category: PCB Headers and** 

Receptacles

Engineering Number: A-42377-0014



#### **Documents & Resources**

#### **Drawings**

<u>022288140\_sd.pdf</u> PK-40873-0041-001.pdf

## 3D Models and Design Files

022288140\_stp.zip SYM-22-28-8141-001.zip

## **Specifications**

PS-10-07-001.pdf

## **Product Environment Compliance**

## Compliance

GADSL/IMDS	Not Relevant
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)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	42377
Description	KK 254 Breakaway Header, Right- Angle Surface Mount Compatible, 14 Circuits, Tin (Sn) Plating, Mating Pin Length 6.20mm
Application	Board-to-Board, Signal, Wire-to- Board
Component Type	PCB Header
Product Name	KK 254
UPC	800754260411

## Agency

CSA	LR19980
UL	E29179

#### **Electrical**

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

# Physical

Breakaway	Yes
Circuits (Loaded)	14
Circuits (maximum)	14
Color - Resin	Black

Durability (mating cycles max)	25
Flammability	94V-0
Glow-Wire Capable	No
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.789/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	Yes
Polarized to PCB	No
Shrouded	Partial
Stackable	No
Temperature Range - Operating	See Product Specification
Termination Interface Style	Through Hole
Plating min - Mating Plating min - Termination Polarized to Mating Part Polarized to PCB Shrouded Stackable Temperature Range - Operating	2.540µm 2.540µm Yes No Partial No See Product Specification

## **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	4455
2.54mm Pitch C-Grid Shunt Terminal Housings	7859

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