# molex

Part Number: 22286160

Product Description: KK 254 Breakaway Header, Right-Angle, 16 Circuits, Tin (Sn) Plating, Mating Pin Length 9.17mm (.361")

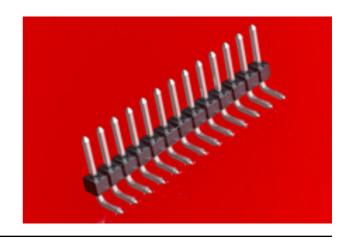
Series Number: 42376

Status: Active

**Product Category: PCB Headers and** 

Receptacles

Engineering Number: 42376-0016



#### **Documents & Resources**

#### **Drawings**

<u>022286160\_sd.pdf</u> PK-40873-0041-001.pdf

#### 3D Models and Design Files

<u>022286160\_stp.zip</u> SYM-22-28-6163-001.zip

### **Specifications**

PS-10-07-001.pdf

# **Product Environment Compliance**

#### Compliance

GADSL/IMDS	Compliant with Exemption 44; 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)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, 16 Circuits, Tin (Sn) Plating, Mating Pin Length 9.17mm (.361")
Application	Board-to-Board, Signal, Wire-to- Board
Component Type	PCB Header
Product Name	KK 254
UPC	800754388481

# Agency

CSA	LR19980
UL	E29179

### **Electrical**

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

## **Physical**

Breakaway	Yes
Circuits (Loaded)	16
Circuits (maximum)	16
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	1.222/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>

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