

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0022288122

Status:

Active

Overview:

KK Interconnect Solutions

Description:

KK 254 Breakaway Header, Right-Angle Surface Mount Compatible, 12 Circuits, 0.38µm Gold (Au) Selective Plating, Mating Pin Length 6.20mm

Documents:

3D Model

Packaging Specification PK-40873-0041-001 (PDF)

Drawing (PDF)

Symbol Footprint Data SYM-22-28-8121-001 (PDF)

3D Model (PDF)

RoHS Certificate of Compliance (PDF)

Product Specification PS-10-07-001 (PDF)

Agency Certification

CSA

LR19980

UL

E29179

Application tooling part link

Application Tooling Part Link

11-20-1230

General

Product Family

PCB Headers

Series

42377

Application

Board-to-Board, Signal, Wire-to-Board

Overview

KK Interconnect Solutions

Product Name

KK 254

Taxonomy

PCB Headers and Receptacles

UPC

800753814387

Physical

Breakaway

Yes

Circuits (Loaded)

12

Circuits (maximum)

12

Color - Resin

Black

Durability (mating cycles max)

100

Flammability

94V-0

Glow-Wire Capable

No

Lock to Mating Part

None

Material - Metal

Brass

Material - Plating Mating

Gold

Material - Plating Termination

Tin

Material - Resin

High Temperature Thermoplastic

Net Weight

0.840/g

Number of Rows

1

Orientation

Right Angle

PC Tail Length

3.05mm

PCB Locator

No

PCB Retention

None

PCB Thickness - Recommended

1.60mm

Packaging Type

Bag

Pitch - Mating Interface

2.54mm

Plating min - Mating

0.381µm

Plating min - Termination

2.540µm

Polarized to Mating Part

Yes

Polarized to PCB

No

Shrouded

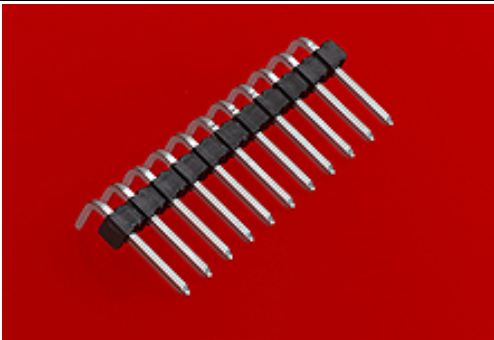
Partial

Stackable

No

Surface Mount Compatible (SMC)

Yes



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

Halogen-Free

Status

Not Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

42377 Series

Mates With

KK 254 Crimp Housing [2695](#) , [7880](#) . KK 254  
Top-Entry PCB Receptacle [4455](#) . C-Grid  
Shunt Terminal Housing [7859](#)

|                                                |                                    |
|------------------------------------------------|------------------------------------|
| Temperature Range - Operating                  | See Product Specification          |
| Termination Interface: Style                   | Through Hole                       |
| <b>Electrical</b>                              |                                    |
| Current - Maximum per Contact                  | 4.0A                               |
| Voltage - Maximum                              | 500V                               |
| <b>Solder Process Data</b>                     |                                    |
| Duration at Max. Process Temperature (seconds) | 005                                |
| Lead-freeProcess Capability                    | WAVE                               |
| Max. Cycles at Max. Process Temperature        | 001                                |
| Process Temperature max. C                     | 235                                |
| <b>Material Info</b>                           |                                    |
| Engineering Number                             | 42377-0082                         |
| <b>Reference - Drawing Numbers</b>             |                                    |
| Packaging Specification                        | PK-40873-0041-001                  |
| Product Specification                          | PS-10-07-001                       |
| Sales Drawing                                  | SD-42377-001-000, SD-42377-001-002 |
| Symbol/Footprint Data                          | SYM-22-28-8121-001                 |

This document was generated on 08/30/2022

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION