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Part Number:

0022288363

Status:

Active

Overview:

KK® Interconnect System - Molex

Description:

KK® 254 Breakaway Header, Right-Angle Surface Mount Compatible, 36 Circuits, 0.38µm Gold (Au) Selective Plating, Mating Pin Length 8.23mm

Documents:

3D Model

Product Specification PS-10-07 (PDF)

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

PCB Headers

Series

42377

Application

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

Application Tooling Part Link

11-20-1230

Overview

KK® Interconnect System - Molex

Product Name

KK® 254

UPC

800753820494

Physical

Breakaway

Yes

Circuits (Loaded)

36

Circuits (maximum)

36

Color - Resin

Black

Durability (mating cycles max)

100

Flammability

94V-0

Glow-Wire Compliant

No

Lock to Mating Part

None

Material - Metal

Brass

Material - Plating Mating

Gold

Material - Plating Termination

Tin

Material - Resin

High Temperature Thermoplastic

Net Weight

2.772/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

Temperature Range - Operating

See Product Specification

Termination Interface: Style

Through Hole

Electrical

Current - Maximum per Contact

4.0A



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

No -ED/39/2015 (15 June 2015)

Halogen-Free

Status

Not Low-Halogen

Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

Green Image

ELV

Not Relevant

Search Parts in this Series

[42377](#) Series

Mates With

KK® Crimp Housing [2695](#) , [6471](#) , [7880](#) ,  
KK® PC Board Connector [4455](#)

|                                                |              |
|------------------------------------------------|--------------|
| Voltage - Maximum                              | 250V         |
| <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>                           |              |
| Old Part Number                                | 42377-0141   |
| <b>Reference - Drawing Numbers</b>             |              |
| Product Specification                          | PS-10-07     |
| Sales Drawing                                  | SD-42377-001 |

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