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Part Number:

1731620131

Status:

Active

Overview:

Nano-Pitch I/O™ Interconnect System

Description:

Nano-Pitch I/O™ Receptacle, Right Angle, Surface Mount, 80 Circuits

Documents:

3D Model

Packaging Specification PK-173307-0001 (PDF)

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

UL

E29179

General

Product Family

I/O Connectors

Series

173162

Application

Wire-to-Board

Component Type

Receptacle

Overview

Nano-Pitch I/O™ Interconnect System

Product Name

Nano-Pitch I/O™

Type

N/A

UPC

889056484572

Physical

Circuits (Loaded)

80

Circuits (maximum)

80

Color - Resin

Black

Durability (mating cycles max)

250

Flammability

94V-0

Gender

Receptacle

Keying to Mating Part

None

Lock to Mating Part

Yes

Material - Metal

Copper Alloy

Material - Plating Mating

Gold over Nickel

Material - Plating Termination

Tin over Nickel

Material - Resin

High Temperature Thermoplastic

Net Weight

1.685/g

Number of Rows

2

Orientation

Right Angle

PCB Locator

Yes

PCB Retention

Yes

PCB Thickness - Recommended

1.57mm

Packaging Type

Embossed Tape on Reel

Panel Mount

No

Pitch - Mating Interface

0.50mm

Pitch - Termination Interface

0.50mm

Plating min - Mating

0.762µm

Plating min - Termination

2.540µm

Polarized to Mating Part

Yes

Polarized to PCB

Yes

Ports

1

Temperature Range - Operating

-40°C to +80°C

Termination Interface: Style

Surface Mount

Waterproof / Dustproof

No

Electrical

Current - Maximum per Contact

0.5A

Grounding to Panel

None



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

China RoHS

Compliant

REACH SVHC

Not Contained Per -

ED/30/2017 (7 July

2017)

Halogen-Free

Status

Low-Halogen

Need more information on product

environmental compliance?

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

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

173162 Series

Mates With

Nano-Pitch I/O™ Cable Assembly 200226 ,

200227

Shielded
Voltage - Maximum

No
30V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Electrical Model Document
Packaging Specification
S-Parameter Model
Sales Drawing

EE-173162-0010
PK-173307-0001
SP-173162-0010
SD-173162-0001

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