

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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

Application Specification AS-173162-0001-001 (PDF)

3D Model (PDF)

Packaging Specification PK-173307-0001-001 (PDF)

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Product Specification PS-173162-0001-001 (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

Material - Plating Termination

Tin

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° to +80°C

Termination Interface: Style

Surface Mount

Waterproof / Dustproof

No

Electrical



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

China RoHS

Compliant

REACH SVHC

Not Contained Per -

D(2021)4569-DC (8

July 2021)

Halogen-Free

Status

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

173162 Series

Mates With

Nano-Pitch I/O Cable Assembly 205058

Current - Maximum per Contact	0.5A
Grounding to Panel	None
Shielded	No
Voltage - Maximum	30V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Application Specification	AS-173162-0001-001
Electrical Model Document	EE-173162-0010-001
Packaging Specification	PK-173307-0001-001
Product Specification	PS-173162-0001-001
S-Parameter Model	SP-173162-0010-001
Sales Drawing	SD-173162-0001-001

This document was generated on 10/04/2021

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Molex:

173162-0131