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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

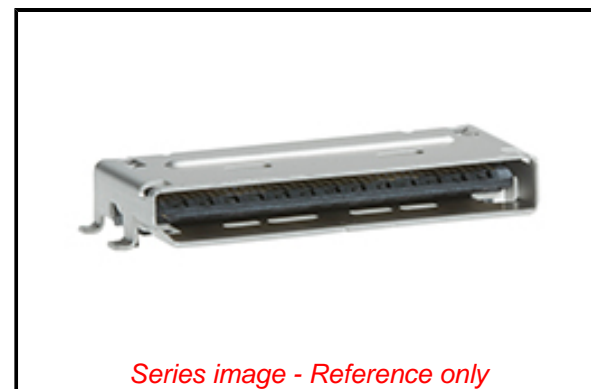
Product Family I/O Connectors
 Series [173162](#)
 Application Wire-to-Board
 Component Type Receptacle
 Overview [Nano-Pitch I/O™ Interconnect System](#)
 Product Name Nano-Pitch I/O
 Type N/A
 UPC 889056484572

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

Compliant

China RoHS

REACH SVHC

Not Contained Per -
 ED/30/2017 (7 July
 2017)

Halogen-Free

Status

Low-Halogen

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 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

EE-173162-0010

Packaging Specification

PK-173307-0001

S-Parameter Model

SP-173162-0010

Sales Drawing

SD-173162-0001-001

This document was generated on 11/30/2017

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