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**Part Number:** [1731620334](#)  
**Status:** **Active**  
**Overview:** Nano-Pitch I/O™ Interconnect System  
**Description:** Nano-Pitch I/O Receptacle, Straight, Through Hole, with Cap, 80 Circuits

**Documents:**

[3D Model](#) [Packaging Specification PK-173307-0001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

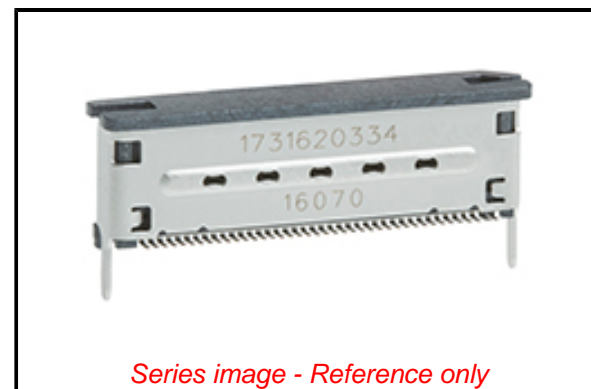
Product Family I/O Connectors  
 Series [173162](#)  
 Application Wire-to-Board  
 Component Type Receptacle  
 Overview [Nano-Pitch I/O™ Interconnect System](#)  
 Product Name Nano-Pitch I/O  
 Type N/A  
 UPC 889056641555

**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 1.271/g  
 Number of Rows 2  
 Orientation Vertical  
 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 Through Hole  
 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/01/2017 (12  
 January 2017)

**Halogen-Free**

**Status**

**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
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-173162-0002-001

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