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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](#) [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

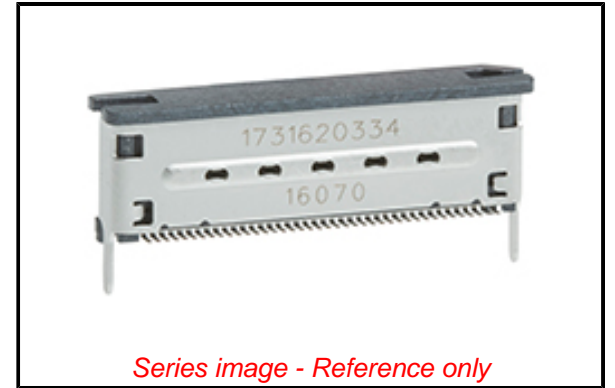
**General**

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 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  
 Material - Plating Termination Tin  
 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° to +80°C  
 Termination Interface: Style Through Hole  
 Waterproof / Dustproof No

**Electrical**



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contained Per -  
 D(2020)4578-DC (25  
 June 2020)  
 Perfluorohexane-1-  
 sulphonic acid and its  
 salts  
 Tris(4-nonylphenyl,  
 branched and linear)  
 phosphi  
 Zirconia  
 Aluminosilicate  
 Refractory Ceramic  
 Fibr  
 1,2-  
 benzenedicarboxylic  
 acid, dipentylester,  
 bra  
 Terphenyl,  
 hydrogenated  
 2-(2H-benzotriazol-2-  
 yl)-4-(tert-butyl)-6-  
 (sec-b  
 2-(2H-benzotriazol-2-  
 yl)-4,6-  
 ditertpentylphenol  
 2-ethylhexyl 10-  
 ethyl-4,4-dioctyl-7-  
 oxo-8-oxa-3,  
 ammoniumpentadecafluorooctanoate  
 disodium 4-  
 amino-3-[[4'-[(2,4-  
 diaminophenyl)azo]  
 dibutyltin dichloride  
 1,2-diethoxyethane  
 disodium 3,3'-[[1,1'-  
 biphenyl]-4,4'-  
 diylbis(azo)  
 decamethylcyclopentasiloxane  
 dodecamethylcyclohexasiloxane

**China RoHS**

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  
Packaging Specification PK-173307-0001-001  
Product Specification PS-173162-0001-001  
S-Parameter Model SP-173162-0010  
Sales Drawing SD-173162-0002-001

benzo[ghi]perylene  
ethylene thiourea  
phenanthrene  
[phthalato(2-)]dioxotrilead  
Silicic acid (H<sub>2</sub>Si<sub>2</sub>O<sub>5</sub>),  
barium salt (1:1),  
lead-  
Sulfurous acid, lead  
salt, dibasic  
cadmium hydroxide  
pyrochlore, antimony  
lead yellow  
orange lead  
1,2-bis(2-  
methoxyethoxy)ethane  
1,2-dimethoxyethane  
bis(2-methoxyethyl)  
phthalate  
pentazinc chromate  
octahydroxide  
tetraboron disodium  
heptaoxide, hydrate  
tris(2-chloroethyl)  
phosphate

**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](#)

This document was generated on 10/27/2020

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