

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1731620338](#)  
**Status:** **Active**  
**Overview:** [Nano-Pitch I/O Interconnect System](#)  
**Description:** Nano-Pitch I/O Receptacle, Straight, Extra Duty Through Hole, 3.00mm Tail Length, with Cap, 80 Circuits

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-173162-0001-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Packaging Specification PK-173307-0001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-173162-0001-001 (PDF)</a>	

**Agency Certification**

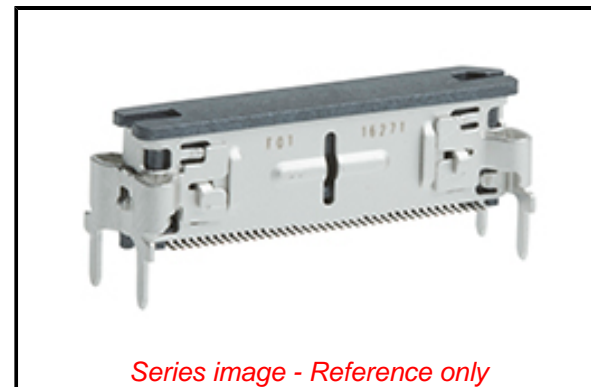
UL E29179

**General**

Product Family	I/O Connectors
Series	<a href="#">173162</a>
Application	Wire-to-Board
Component Type	Receptacle
Overview	<a href="#">Nano-Pitch I/O Interconnect System</a>
Product Name	Nano-Pitch I/O
Taxonomy	High-Speed Pluggable Connector
Type	N/A
UPC	889056676663

**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	1.680/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



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[173162 Series](#)

**Mates With**

Nano-Pitch I/O Cable Assembly [205058](#)

**Electrical**

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-173162-0002-001

This document was generated on 09/09/2022

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**