

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:

[3D Model](#) [Packaging Specification PK-173307-0001-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Application Specification AS-173162-0001-001 \(PDF\)](#)

Agency Certification

UL E29179

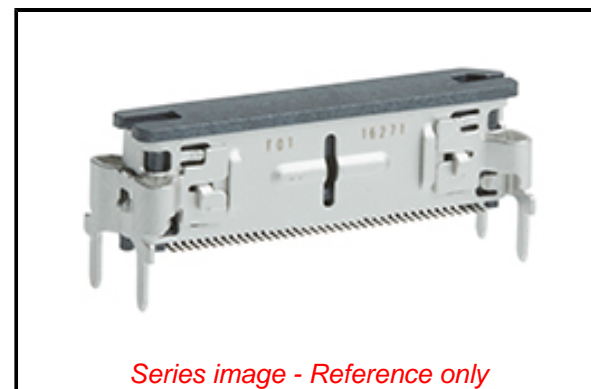
General

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 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 over Nickel
 Material - Plating Termination Tin over Nickel
 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

Electrical



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
 ED/71/2019 (16 July
 2019)

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](#)

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
S-Parameter Model	SP-173162-0010
Sales Drawing	SD-173162-0002-001

This document was generated on 08/19/2019

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION