



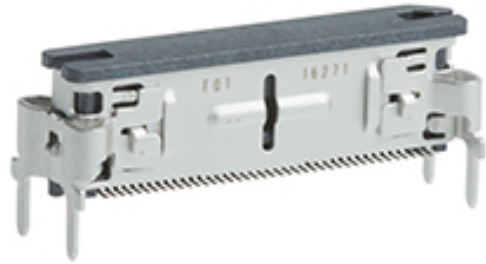
Part Number : [1731620338](#)

Product Description : Nano-Pitch I/O Connector, Vertical, Extra Duty Through Hole, 3.00mm Shell Leg Length, with Cap, 80 Circuits

Series Number : 173162

Status : Active

Product Category : High-Speed I/O Connectors



Documents & Resources

Drawings

[Drawing 1731620338_sd.pdf](#)

[Packaging Design Drawing PK-173307-0001-001.pdf](#)

3D Models and Design Files

[3D Model 1731620338_stp.zip](#)

[Electrical Model Document EE-173162-0010-001.pdf](#)

[S-Parameter Model SP-173162-0010-001.zip](#)

Specifications

[Application Specification AS-173162-0001-001.pdf](#)

[Product Specification PS-173162-0001-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	High-Speed I/O Connectors
Series	173162
Description	Nano-Pitch I/O Connector, Vertical, Extra Duty Through Hole, 3.00mm Shell Leg Length, with Cap, 80 Circuits
Application	Wire-to-Board
Component Type	Receptacle
Product Family	Nano-Pitch I/O Interconnect System
Product Name	Nano-Pitch I/O
Type	Internal
UPC	889056676663

Agency

UL	E29179
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Electrical

Current - Maximum per Contact	0.5A
Data Rate	25.0 Gbps
Grounding to Panel	None
Shielded	No
Voltage - Maximum	30V AC (RMS)/DC

Physical

Circuits (Loaded)	80
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Circuits (maximum)	80
Color - Resin	Black
Durability (mating cycles max)	250
Flammability	94V-0
Gender	Receptacle
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
Packaging Type	Embossed Tape on Reel
Panel Mount	No
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.57mm
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

Mates With / Use With

Mates with Part(s)

Description	Part Number
Nano-Pitch I/O-to-Nano-Pitch I/O Cable Assemblies	<u>205058</u>

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