




**Part Number :** [1719832342](#)  
**Product Description :** Nano-Pitch I/O Connector, Vertical, Through Hole, with Cap, 42 Circuits, Shell Leg Length 3.00mm, Natural  
**Series Number :** 171983  
**Status :** Not Recommended For New Design  
**Product Category :** High-Speed I/O Connectors



## Documents & Resources

## 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)7663-DC (21 Jan 2025)
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	Not Recommended For New Design
Category	High-Speed I/O Connectors
Series	171983
Description	Nano-Pitch I/O Connector, Vertical, Through Hole, with Cap, 42 Circuits, Shell Leg Length 3.00mm, Natural
Application	Wire-to-Board
Component Type	Receptacle
Product Name	Nano-Pitch I/O
Type	Internal
UPC	191128136464

## Agency

UL	E29179
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## Electrical

Current - Maximum per Contact	0.5A
Data Rate	16.0 Gbps
Grounding to Panel	None
Shielded	No
Voltage - Maximum	30V AC (RMS)/DC

## Physical

Circuits (Loaded)	42
Circuits (maximum)	42
Color - Resin	Natural
Durability (mating cycles max)	250
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	0.750/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

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This document was generated on Apr 27, 2025