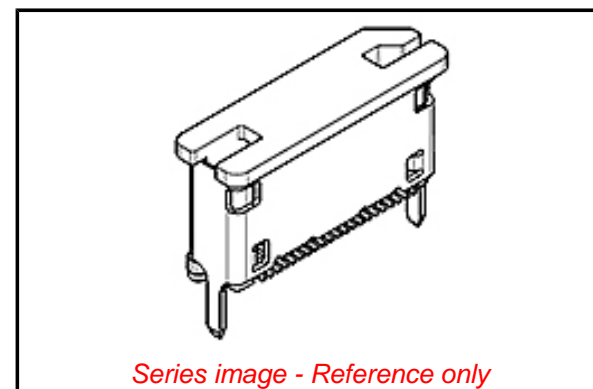


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Part Number: [1719832042](#)
Status: **Active**
Overview: Nano-Pitch I/O™ Interconnect System
Description: Nano-Pitch I/O™ Connector, Vertical Receptacle, Through Hole, with Dust Cap, 42 Circuits

Documents:

3D Model	Application Specification AS-173162-0002 (PDF)
Drawing (PDF)	Test Summary TS-171982-0001 (PDF)
Product Specification PS-173162-0001 (PDF)	Test Summary TS-171983-0005 (PDF)
Application Specification AS-173162-0001 (PDF)	RoHS Certificate of Compliance (PDF)



Series image - Reference only

General

Product Family	I/O Connectors
Series	171983
Application	Wire-to-Board
Component Type	Receptacle
Overview	Nano-Pitch I/O™ Interconnect System
Product Name	Nano-Pitch I/O™
Type	N/A
UPC	889056257077

Physical

Circuits (Loaded)	42
Circuits (maximum)	42
Color - Resin	Black
Durability (mating cycles max)	50
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	0.934/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°C to +80°C
Termination Interface: Style	Through Hole
Waterproof / Dustproof	No

Electrical

Current - Maximum per Contact	0.5A
Grounding to Panel	None
Shielded	No

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per
-ED/79/2015 (17
December 2015)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS
ELV

Green Image
Not Relevant

Search Parts in this Series
[171983 Series](#)

Voltage - Maximum 30V AC (RMS)/DC

Solder Process Data

Duration at Max. Process Temperature (seconds) 020

Lead-free Process Capability REFLOW

Max. Cycles at Max. Process Temperature 001

Process Temperature max. C 260

Material Info

Reference - Drawing Numbers

Application Specification AS-173162-0001, AS-173162-0002

Electrical Model Document EE-171983-0005

Product Specification PS-173162-0001

S-Parameter Model SP-171983-0005

Sales Drawing SD-171983-1000

Symbol/Footprint Data SYM-171983-2042

Test Summary TS-171982-0001, TS-171983-0005

This document was generated on 03/09/2016

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