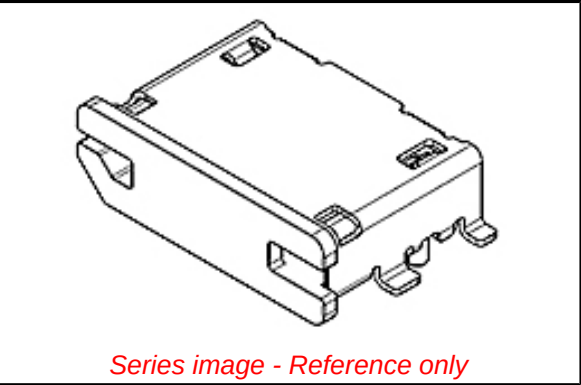


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Part Number: [1719820242](#)
Status: **Active**
Overview: Nano-Pitch I/O™ Interconnect System
Description: Nano-Pitch I/O™ Connector, Right Angle Receptacle, Surface Mount, with Dust Cap, 42 Circuits



Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-173162-0001 \(PDF\)](#)
[Application Specification AS-173162-0001 \(PDF\)](#)
[Application Specification AS-173162-0002 \(PDF\)](#)
[Test Summary TS-171982-0001 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General
Product Family I/O Connectors
Series [171982](#)
Application Wire-to-Board
Component Type Receptacle
Overview Nano-Pitch I/O™ Interconnect System
Product Name Nano-Pitch I/O™
Type N/A
UPC 889056272636

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 1.201/g
Number of Rows 2
Orientation Right Angle
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 Surface Mount
Waterproof / Dustproof No

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

EU ELV
Not Relevant

EU RoHS **China RoHS**
Compliant
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 Green Image
ELV Not Relevant

Search Parts in this Series
[171982](#) Series

Voltage - Maximum	30V AC (RMS)/DC
Solder Process Data	
Lead-freeProcess Capability	N/A
Material Info	
Reference - Drawing Numbers	
Application Specification	AS-173162-0001, AS-173162-0002
Product Specification	PS-173162-0001
Sales Drawing	SD-171982-1000
Symbol/Footprint Data	SYM-171982-0242
Test Summary	TS-171982-0001

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