

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [1719821142](#)
Status: **Active**
Overview: Nano-Pitch I/O™ Interconnect System
Description: Nano-Pitch I/O™ Receptacle, Right Angle, Through Hole, without Cap, 42 Circuits

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification TS-171982-0001-001 \(PDF\)](#)
[Product Specification TS-171982-0010-001 \(PDF\)](#)
[Packaging Specification PK-171982-9000 \(PDF\)](#)
[Packaging Specification PK-173307-0001 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

UL E29179

General

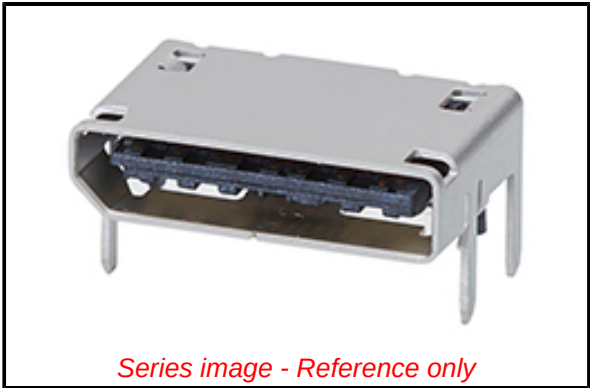
Product Family I/O Connectors
Series [171982](#)
Application Wire-to-Board
Component Type Receptacle
Overview [Nano-Pitch I/O™ Interconnect System](#)
Product Name Nano-Pitch I/O™
Type N/A
UPC 889056600668

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 1.042/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 Through Hole
Waterproof / Dustproof No

Electrical

Current - Maximum per Contact 0.5A



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/01/2017 (12
January 2017)

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
RoHS Phthalates	Not Contained

Search Parts in this Series

[171982](#) Series

Grounding to Panel
Shielded
Voltage - Maximum

None
No
30V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Electrical Model Document
Packaging Specification
Product Specification
S-Parameter Model
Sales Drawing
Symbol/Footprint Data

EE-171982-0010
PK-171982-9000, PK-173307-0001
TS-171982-0001-001, TS-171982-0010-001
SP-171982-0010
SD-171982-1000
SYM-171982-1142

This document was generated on 05/22/2017

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION