

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

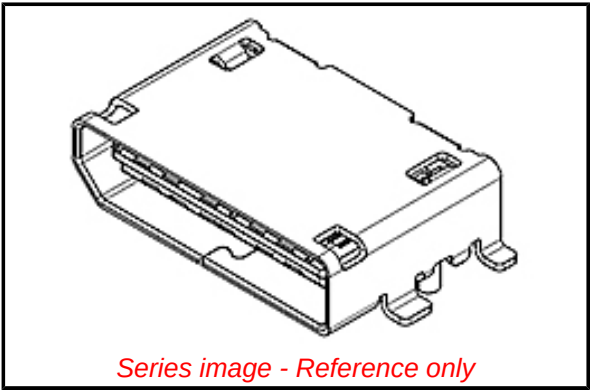
Part Number: [1719820142](#)
Status: **Active**
Overview: Nano-Pitch I/O™ Interconnect System
Description: Nano-Pitch I/O™ Connector, Right Angle Receptacle, Surface Mount, 42 Circuits

- Documents:**
- | | |
|--|--|
| 3D Model | Packaging Specification PK-173307-0001 (PDF) |
| Drawing (PDF) | Test Summary TS-171982-0001 (PDF) |
| Product Specification PS-173162-0001 (PDF) | Test Summary TS-171982-0010 (PDF) |
| Application Specification AS-173162-0001 (PDF) | RoHS Certificate of Compliance (PDF) |
| Application Specification AS-173162-0002 (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	889056188364

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	1.070/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



Series image - Reference only

EU ELV Not Relevant	
EU 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 China ROHS ELV Green Image 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
Electrical Model Document	EE-171982-0010
Packaging Specification	PK-173307-0001
Product Specification	PS-173162-0001
S-Parameter Model	SP-171982-0010
Sales Drawing	SD-171982-1000
Symbol/Footprint Data	SYM-171982-0142
Test Summary	TS-171982-0001, TS-171982-0010

This document was generated on 06/03/2016

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION