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**Part Number:** [1719833042](#)  
**Status:** **Active**  
**Overview:** [Nano-Pitch I/O Interconnect System](#)  
**Description:** Nano-Pitch I/O Receptacle, Straight, Extra Duty Through Hole, with Cap, 42 Circuits, Shell Tab Length 3.00mm, Black

**Documents:**

[3D Model](#) [Packaging Specification PK-173307-0001-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[3D Model \(PDF\)](#)

**General**

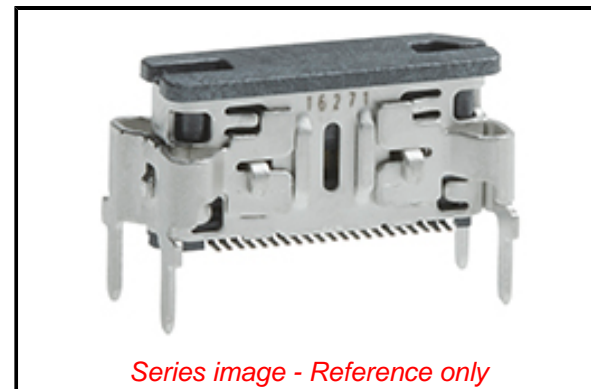
Product Family	I/O Connectors
Series	<a href="#">171983</a>
Application	Wire-to-Board
Component Type	Receptacle
Overview	<a href="#">Nano-Pitch I/O Interconnect System</a>
Product Name	Nano-Pitch I/O
Taxonomy	High-Speed Pluggable Connector
Type	N/A
UPC	889056887212

**Physical**

Circuits (Loaded)	42
Circuits (maximum)	42
Color - Resin	Black
Durability (mating cycles max)	250
Gender	Receptacle
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	1.374/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° to +80°C
Termination Interface: Style	Through Hole
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 -  
D(2022)9120-DC (17  
Jan 2023)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[171983 Series](#)

Voltage - Maximum

30V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification

PK-173307-0001-001

Sales Drawing

SD-171983-1000-001

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