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**Part Number:** [1719820142](#)  
**Status:** **Active**  
**Overview:** [Nano-Pitch I/O Interconnect System](#)  
**Description:** Nano-Pitch I/O Receptacle, Right-Angle, Surface Mount, without Cap, 42 Circuits

**Documents:**

[3D Model](#) [Drawing \(PDF\)](#)  
[3D Model \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

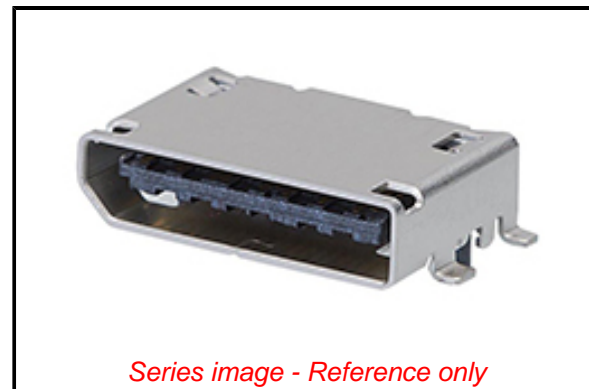
Product Family I/O Connectors  
 Series [171982](#)  
 Application Wire-to-Board  
 Component Type Receptacle  
 Overview [Nano-Pitch I/O Interconnect System](#)  
 Product Name Nano-Pitch I/O  
 Type N/A  
 UPC 889056188364

**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  
 Material - Plating Termination Tin  
 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° 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 -  
 D(2020)4578-DC (25  
 June 2020)

**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**

[171982 Series](#)

Voltage - Maximum

30V AC (RMS)/DC

**Solder Process Data**

Lead-free Process Capability

N/A

**Material Info**

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