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Part Number: 1719832042
Status: Active
Overview: Nano-Pitch I/O™ Interconnect System
Description: Nano-Pitch I/O Receptacle, Vertical, Through Hole, with Cap, 42 Circuits, Black



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification TS-171982-0001-001 (PDF)
Product Specification TS-171983-0005-002 (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	171983
Application	Wire-to-Board
Component Type	Receptacle
Overview	Nano-Pitch I/O™ Interconnect System
Product Name	Nano-Pitch I/O
Type	N/A
UPC	889056257077
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 over Nickel
Material - Plating Termination	Tin over Nickel
Material - Resin	High Temperature Thermoplastic
Net Weight	0.934/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°C to +80°C
Termination Interface: Style	Through Hole
Waterproof / Dustproof	No
Electrical	
Current - Maximum per Contact	0.5A

EU ELV
Not Relevant

EU RoHS
Compliant

China RoHS

REACH SVHC
Not Contained Per - ED/30/2017 (7 July 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
171983 Series

Grounding to Panel	None
Shielded	No
Voltage - Maximum	30V AC (RMS)/DC

Solder Process Data

Duration at Max. Process Temperature (seconds)	020
Lead-freeProcess Capability	REFLOW
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Electrical Model Document	EE-171983-0005
Packaging Specification	PK-171982-9000, PK-173307-0001
Product Specification	TS-171982-0001-001, TS-171983-0005-002
S-Parameter Model	SP-171983-0005
Sales Drawing	SD-171983-1000-001
Symbol/Footprint Data	SYM-171983-2042