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Part Number: [1731620333](#)
Status: **Active**
Overview: [Nano-Pitch I/O Interconnect System](#)
Description: Nano-Pitch I/O Receptacle, Straight, Surface Mount, with Cap, 80 Circuits

Documents:

3D Model	Application Specification AS-173162-0001-001 (PDF)
3D Model (PDF)	Packaging Specification PK-173307-0001-001 (PDF)
Drawing (PDF)	Symbol Footprint Data 1731620333-000 (PDF)
Product Specification PS-173162-0001-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

UL E29179

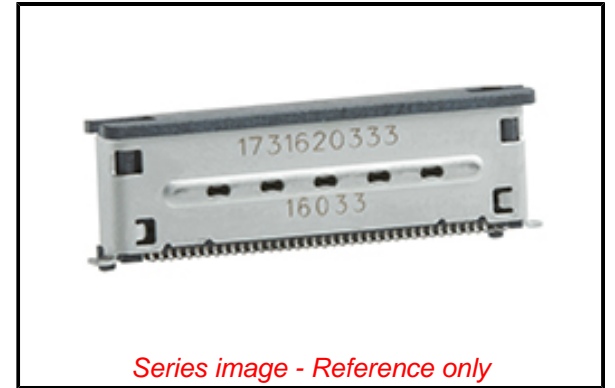
General

Product Family	I/O Connectors
Series	173162
Application	Wire-to-Board
Component Type	Receptacle
Overview	Nano-Pitch I/O Interconnect System
Product Name	Nano-Pitch I/O
Type	N/A
UPC	889056641548

Physical

Circuits (Loaded)	80
Circuits (maximum)	80
Color - Resin	Black
Durability (mating cycles max)	250
Flammability	94V-0
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	1.612/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	Surface Mount
Waterproof / Dustproof	No

Electrical



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contained Per -
D(2020)4578-DC (25
June 2020)
Perfluorohexane-1-
sulphonic acid and its
salts
Tris(4-nonylphenyl,
branched and linear)
phosphi
Zirconia
Aluminosilicate
Refractory Ceramic
Fibr
1,2-
benzenedicarboxylic
acid, dipentylester,
bra
Terphenyl,
hydrogenated
2-(2H-benzotriazol-2-
yl)-4-(tert-butyl)-6-
(sec-b
2-(2H-benzotriazol-2-
yl)-4,6-
ditertpentylphenol
2-ethylhexyl 10-
ethyl-4,4-dioctyl-7-
oxo-8-oxa-3,
ammoniumpentadecafluorooctanoate
disodium 4-
amino-3-[[4'-[(2,4-
diaminophenyl)azo]
dibutyltin dichloride
1,2-diethoxyethane
disodium 3,3'-[[1,1'-
biphenyl]-4,4'-
diylbis(azo)
decamethylcyclopentasiloxane
dodecamethylcyclohexasiloxane

China RoHS

Current - Maximum per Contact	0.5A
Grounding to Panel	None
Shielded	No
Voltage - Maximum	30V AC (RMS)/DC
Material Info	
Engineering Number	NT501-8338
Reference - Drawing Numbers	
Application Specification	AS-173162-0001-001
Electrical Model Document	EE-173162-0010
Packaging Specification	PK-173307-0001-001
Product Specification	PS-173162-0001-001
S-Parameter Model	SP-173162-0010
Sales Drawing	SD-173162-0002-001
Symbol/Footprint Data	1731620333-000

benzo[ghi]perylene
ethylene thiourea
phenanthrene
[phthalato(2-)]dioxotrilead
Silicic acid (H₂Si₂O₅),
barium salt (1:1),
lead-
Sulfurous acid, lead
salt, dibasic
cadmium hydroxide
pyrochlore, antimony
lead yellow
orange lead
1,2-bis(2-
methoxyethoxy)ethane
1,2-dimethoxyethane
bis(2-methoxyethyl)
phthalate
pentazinc chromate
octahydroxide
tetraboron disodium
heptaoxide, hydrate
tris(2-chloroethyl)
phosphate

**Halogen-Free
Status**

Low-Halogen

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

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[173162](#) Series

Mates With

Nano-Pitch I/O Cable Assembly [205058](#)

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