

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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 \(PDF\)](#)

[3D Model](#)

[Drawing \(PDF\)](#)

[Packaging Specification PK-173307-0001-001 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

General

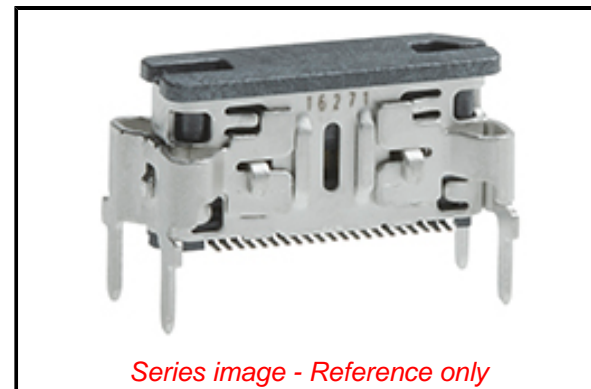
Product Family	I/O Connectors
Series	171983
Application	Wire-to-Board
Component Type	Receptacle
Overview	Nano-Pitch I/O Interconnect System
Product Name	Nano-Pitch I/O
Type	N/A
UPC	889056887212

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
Voltage - Maximum	30V AC (RMS)/DC



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contained Per -
D(2020)4578-DC (25
June 2020)
1,2-diethoxyethane
dibutyltin dichloride
1,3-propanesultone
disodium 4-
amino-3-[[4'-[(2,4-
diaminophenyl)azo]
ammoniumpentadecafluorooctanoate
2-ethylhexyl 10-
ethyl-4,4-dioctyl-7-
oxo-8-oxa-3,
2-(2H-benzotriazol-2-
yl)-4,6-
ditertpentylphenol
2-(2H-benzotriazol-2-
yl)-4-(tert-butyl)-6-
(sec-b
ethylene thiourea
di-n-pentyl phthalate
(DPP)
benzo[ghi]perylene
perfluorooctanoic acid
dodecamethylcyclohexasiloxane
decamethylcyclopentasiloxane
disodium 3,3'-[[1,1'-
biphenyl]-4,4'-
diylbis(azo)
diisopentylphthalate
Zirconia
Aluminosilicate
Refractory Ceramic
Fibr
Nonadecafluorodecanoic
acid (PFDA) and its
sodiu

China RoHS

Material Info

Reference - Drawing Numbers

Packaging Specification
Sales Drawing

PK-173307-0001-001
SD-171983-1000-001

Tris(4-nonylphenyl,
branched and linear)
phosphi
Pyrene
Perfluorononan-1-
oic acid
(2,2,3,3,4,4,5,5,6,6,7
Methylhexahydrophthalic
anhydride
reaction mass of
2-ethylhexyl 10-
ethyl-4,4-dioct
Perfluorohexane-1-
sulphonic acid and its
salts
2-(2H-benzotriazol-2-
yl)-4-(tert-butyl)-6-
(sec-b
Terphenyl,
hydrogenated
1,2-
Benzenedicarboxylic
acid, dihexyl ester,
bra
diisohexyl phthalate
1,2-
benzenedicarboxylic
acid, dipentylester,
bra
n-pentyl-
isopentylphthalate
Boric acid
Zirconia
Aluminosilicate
Refractory Ceramic
Fibr
ethylene thiourea
1,2-dimethoxyethane
1,2-bis(2-
methoxyethoxy)ethane
bis(pentabromophenyl)
ether
cadmium oxide (non-
pyrophoric)
cadmium sulphide
orange lead
lead
cadmium
Lead sulfochromate
yellow
tris(2-chloroethyl)
phosphate
tetraboron disodium
heptaoxide, hydrate
strontium chromate
bis(2-methoxyethyl)
ether
pentazinc chromate
octahydroxide
bis(2-methoxyethyl)
phthalate
1,2-dimethoxyethane
Sulfurous acid, lead
salt, dibasic

Silicic acid (H₂Si₂O₅),
barium salt (1:1),
lead-
[phthalato(2-)]dioxotrilead
benzo[a]pyrene
4-aminoazobenzene
dihexyl phthalate
(DnHP)
phenanthrene
ethylene thiourea
cadmium
pyrochlore, antimony
lead yellow
lead dinitrate
lead oxide sulfate
pentalead tetraoxide
sulphate
dioxobis(stearato)trilead
Lead titanium
zirconium oxide
lead cyanamidate

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

[171983 Series](#)

This document was generated on 10/27/2020

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION