molex

Part Number : 2021431001

Product Description : Nano-Pitch I/O Straight-to-Nano-Pitch I/O Straight Cable Assembly, 4x, 42 Circuits, 34 AWG, with Latches, 0.50m Length

Series Number : 202143

Status : Active

Product Category : High-Speed I/O Cable Assemblies

Documents & Resources

Drawings

2021431001_sd.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS

- REACH SVHC

- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C

- IPC 1752A Class D

- Molex Product Compliance Declaration

- IEC-62474

- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	High-Speed I/O Cable Assemblies
Series	202143
Description	Nano-Pitch I/O Straight-to-Nano-Pitch I/O Straight Cable Assembly, 4x, 42 Circuits, 34 AWG, with Latches, 0.50m Length
Assembly Configuration	Dual Ended Connectors
Connector to Connector	Nano-Pitch I/O Both Ends
Product Name	Nano-Pitch I/O
Type	Internal
UPC	191128058308

Electrical

Current - Maximum per Contact	0.5A
Data Rate	16.0 Gbps
Voltage - Maximum	30V AC (RMS)/DC

Physical

Cable Bundling	Woven Braid
Cable Length	0.50m
Circuits (Loaded)	42 (38)
Color - Resin	Black
Gender	Plug/Plug
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	67.021/g
Orientation	Straight-to-Straight
Packaging Type	Bag
Release Style	Thumb Release

Single Ended	No
Wire/Cable Type	Twinax
Wire Size (AWG)	34

Mates With / Use With

Mates with Part(s)

Description	Part Number
Nano-Pitch I/O Right-Angle Connectors	171982
Nano-Pitch I/O Vertical Connectors	171983

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