



Part Number : [2033162201](#)

Product Description : NearStack 100-Ohm Connector, 32 Circuits, 8 Differential Pair, Non-Polarized, 3.77mm Solder Nail Length, with Pick and Place Dust Cap

Series Number : 203316

Status : Active

Product Category : High-Speed I/O Connectors

Documents & Resources

Drawings

[Drawing 2033162201_sd.pdf](#)

[Packaging Design Drawing 2033169100-000.pdf](#)

3D Models and Design Files

[3D Model 2033162201_stp.zip](#)

[3D Model NearStack 100 8 DP Mated Model.zip](#)


Specifications

[Application Specification 2033160001-AS-000.pdf](#)

[Product Specification 2033160001-000.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
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
- 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 Connectors
Series	203316
Description	NearStack 100-Ohm Connector, 32 Circuits, 8 Differential Pair, Non-Polarized, 3.77mm Solder Nail Length, with Pick and Place Dust Cap
Application	Wire-to-Board
Component Type	Plug
Product Family	NearStack Connector System
Product Name	NearStack 100-Ohm
Type	Internal
UPC	195842279889

Electrical

Current - Maximum per Contact	0.25A
Data Rate	56.0 Gbps (PAM-4)
Voltage - Maximum	29.9V

Physical

Circuits (Loaded)	32
Circuits (maximum)	32
Color - Resin	Black
Durability (mating cycles max)	100
Gender	Plug
Lock to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold

Material - Plating Termination	Gold
Material - Resin	Liquid Crystal Polymer
Net Weight	0.534/g
Number of Pairs	8
Number of Rows	2
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
Panel Mount	No
PCB Locator	Yes
PCB Retention	Yes
Pitch - Mating Interface	0.60mm
Plating min - Mating	0.762µm
Plating min - Termination	0.050µm
Polarized to Mating Part	Yes
Polarized to PCB	No
Ports	1
Temperature Range - Operating	-40° to +85°C
Termination Interface Style	Surface Mount

Mates With / Use With

Mates with Part(s)

Description	Part Number
NearStack 100-Ohm 8-Differential Pair Cable Assemblies	<u>206138</u>