



Part Number : [2072441242](#)

Product Description : NearStack 100-Ohm Connector, 64 Circuits, 16 Differential Pair, Polarized, 3.00mm Solder Nail Length, with Pick and Place Dust Cap

Series Number : 207244

Status : Active

Product Category : High-Speed I/O Connectors

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## Documents & Resources

### Drawings

[Drawing 2072441242\\_sd.pdf](#)

[Packaging Design Drawing 2072449900-000.pdf](#)

### 3D Models and Design Files

[3D Model 2072441242\\_stp.zip](#)

[3D Model NearStack 100 16 DP Mated Model.zip](#)

### Specifications


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

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

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per
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

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## Part Details

### General

Status	Active
Category	High-Speed I/O Connectors
Series	207244
Description	NearStack 100-Ohm Connector, 64 Circuits, 16 Differential Pair, Polarized, 3.00mm 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	195842023208

### Electrical

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

### Physical

Circuits (Loaded)	64
Circuits (maximum)	64
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	0.489/g
Number of Pairs	16
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	Yes
Ports	1
Temperature Range - Operating	-40° to +85°C
Termination Interface Style	Surface Mount

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
NearStack 100-Ohm 16-Differential Pair Cable Assemblies	<u>207249</u>