



Part Number : [2159801001](#)

Product Description : NearStack HD Connector, 56 Circuits, 18 Differential Pair, 3.20mm Shell Leg Length, with Pick and Place Dust Cap

Series Number : 215980

Status : Active

Product Category : High-Speed I/O Connectors

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## Documents & Resources

### Drawings

[Drawing 2159801001\\_sd.pdf](#)

[Packaging Design Drawing 2159800001-PK-000.pdf](#)

### 3D Models and Design Files

[3D Model 2159801001\\_stp.zip](#)

[3D Model NearStack HD Mated Angle-Exit Assembly.zip](#)

[3D Model NearStack HD Mated Right-Angle Assembly.zip](#)

### Specifications


[Application Specification 2159800001-AS-000.pdf](#)

[Product Specification 2159800001-PS-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 IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 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	215980
Description	NearStack HD Connector, 56 Circuits, 18 Differential Pair, 3.20mm Shell Leg Length, with Pick and Place Dust Cap
Application	Wire-to-Board
Component Type	Plug
Product Family	NearStack Connector System
Product Name	NearStack HD
Type	Internal
UPC	195842813540

### Agency

CSA	LR19980
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### Electrical

Current - Maximum per Contact	0.65A
Data Rate	64 Gbps (PAM-4)
Voltage - Maximum	29.9V

### Physical

Circuits (Loaded)	56
Circuits (maximum)	56
Color - Resin	Black
Durability (mating cycles max)	100

Flammability	94V-0
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	2.100/g
Number of Pairs	18
Number of Rows	2
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
Panel Mount	No
PCB Locator	Yes
PCB Retention	Yes
Pitch - Mating Interface	0.50mm
Plating min - Mating	0.762µm
Plating min - Termination	1.270µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Termination Interface Style	Surface Mount
Wire Size (AWG)	34

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
NearStack HD Right-Angle-to-NearStack HD Right-Angle Cable Assemblies	<u>216000</u>
NearStack HD Angle-Exit-to-NearStack HD Angle-Exit Cable Assemblies	<u>221028</u>