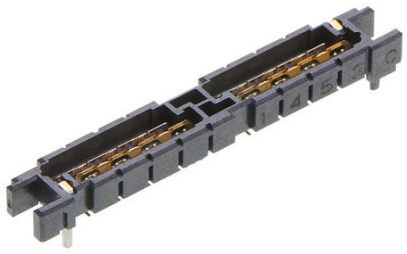
Part Number : 2072441242
Product Description : NearStack 100-Ohm Connector, 64 Circuits, 16 Differential Pair, Polarized, 3.00mm Solder Nail Length, with Pick and Place Dust Cap
Series Number : 207244
Status : Active
Product Category : High-Speed I/O Connectors



Documents and Resources

Drawings

2072441242_sd.pdf

2072449900-000.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Specifications

2033160001-AS-000.pdf

2033160001-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per
REACH SVHC	Not Contained per D(2024)6225-DC (07 Nov 2024)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents
- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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 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

Mates With / Use With

Mates with Part(s)

Description	Part Number
NearStack 100-Ohm 16-Differential Pair Cable Assemblies	207249