Part Number : 2190302216
Product Description : MicroBeam Low-Profile Connector, 16 Differential Pair, Surface Mount, 6.70mm Height, with Metal Cage and Cover
Series Number : 219030
Status : Active
Product Category : High-Speed I/O Connectors



Documents and Resources

Drawings

2190302216_sd.pdf

2190310001-000.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

2190300002-AS.pdf

2190300001-PS.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 IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

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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	219030
Description	MicroBeam Low-Profile Connector, 16 Differential Pair, Surface Mount, 6.70mm Height, with Metal Cage and Cover
Application	Wire-to-Board
Component Type	Receptacle
Product Name	MicroBeam
Type	Internal
UPC	196823208492

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	0.75A
Data Rate	112 Gbps (PAM-4)
Voltage - Maximum	29.9V AC RMS

Physical

Circuits (Loaded)	32

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Circuits (maximum)	32
Color - Resin	Black
Durability (mating cycles max)	100
Flammability	94V-0
Gender	Receptacle
Lock to Mating Part	Yes
Material - Metal	High Performance Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
Net Weight	3.171/g
Number of Pairs	16
Number of Rows	4
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
Panel Mount	No
PCB Locator	No
PCB Retention	Yes
Pitch - Mating Interface	3.80mm, 3.00mm
Pitch - Termination Interface	3.80mm, 3.00mm
Plating min - Mating	0.762µm
Plating min - Termination	0.102µm
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
MicroBeam Right-Angle-to-MicroBeam Right-Angle Cable Assemblies, 16 Differential Pair	221633

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