



Part Number : [2245390003](#)

Product Description : MXMag Gigabit Ethernet 8 Core Non-PoE 2x1 RJ45 Connector, 28.40mm Depth, 3.20mm Phy Pin Length, Right-Angle, with Shield Tabs, with Green-Yellow LEDs, Industrial Temperature, Tray

Series Number : 224539

Status : Active

Product Category : Modular Jacks and Plugs



Documents & Resources

Drawings

[2245390003 sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Contains Methylhexahydrophthalic anhydride per D(2024)7663-DC (21 Jan 2025)
EU RoHS	Compliant with Exemption 7(c)-I 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	Modular Jacks and Plugs
Series	224539
Description	MXMag Gigabit Ethernet 8 Core Non-PoE 2x1 RJ45 Connector, 28.40mm Depth, 3.20mm Phy Pin Length, Right-Angle, with Shield Tabs, with Green-Yellow LEDs, Industrial Temperature, Tray
Component Type	PCB Jack
Keyword	MagJack, Mag Jack, Magnetic Jack, MagJacks, Mag Jacks, Magnetic Jacks, Mag-Jack, Mag-Jacks
Magnetic	Yes
Performance Category	1000Mb
Power over Ethernet (PoE)	Non-PoE
Product Name	Magnetic Jack,MXMag,RJ45
UPC	196823639814

Electrical

Current - Maximum per Contact	0.1A
Grounding to Panel	Yes
Grounding to PCB	Yes
Shielded	Yes

Voltage - Maximum	125V
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Physical

Color - Resin	Black
Depth	28.40mm
Durability (mating cycles max)	750
Inverted / Top Latch	Yes (Top) No (Bottom)
Jack Height	25.79mm
Keying to Mating Part	None
Lightpipes/LEDs	LEDs
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	14.200/g
Orientation	Right Angle (Side Entry)
Packaging Type	Tray
Panel Mount	Spring Tabs
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	2.00mm-2.80mm
Plating min - Mating	0.762µm
Port Configuration	2x1
Positions / Loaded Contacts	8/8
Temperature Range - Operating	-40° to +85°C
Termination Interface Style	Through Hole
Wire/Cable Type	N/A

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mates With	IEC-60603-7-1 / TIA-1096-A