Part Number : 938093020
Product Description : MXMag Fast Ethernet 4 Core PoE Single-Port RJ45 Connector with Bridge Rectifier, 21.40mm Depth, 3.30mm Phy Pin Length, Right-Angle, Inverted Profile, with Shield Tabs, Non-LED, Standard Temperature, Tray
Series Number : 93809
Status : Active
Product Category : Modular Jacks and Plugs



Documents and Resources

Drawings

938093020_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Specifications

934620001-K.pdf

938090001-000.pdf

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 Lead monoxide per D(2024)7663-DC (21 Jan 2025)
EU RoHS	Compliant with Exemption 7(c)-I per EU 2015/863

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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	93809
Description	MXMag Fast Ethernet 4 Core PoE Single-Port RJ45 Connector with Bridge Rectifier, 21.40mm Depth, 3.30mm Phy Pin Length, Right-Angle, Inverted Profile, with Shield Tabs, Non-LED, Standard Temperature, Tray
Component Type	PCB Jack
Keyword	MagJack, Mag Jack, Magnetic Jack, MagJacks, Mag Jacks, Magnetic Jacks, Mag-Jack
Magnetic	Yes
Performance Category	100Mb
Power over Ethernet (PoE)	PoE
Product Name	Magnetic Jack,MXMag,RJ45
UPC	191128172318

Electrical

Current - Maximum per Contact	0.5A

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Grounding to Panel	Yes
Grounding to PCB	Yes
Shielded	Yes
Voltage - Maximum	60V

Physical

Color - Resin	Black
Depth	21.40mm
Durability (mating cycles max)	2500
Inverted / Top Latch	Yes
Jack Height	14.10mm
Keying to Mating Part	No
Lightpipes/LEDs	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold over Palladium Nickel
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer (LCP)
Net Weight	6.000/g
Orientation	Right Angle (Side Entry)
Packaging Type	Tray
Panel Mount	Spring Tabs
PCB Locator	Yes
PCB Retention	No
PCB Thickness - Recommended	1.57mm
Plating min - Mating	0.051µm (Au), 1.016µm (PdNi)
Port Configuration	1x1
Positions / Loaded Contacts	8/8
Temperature Range - Operating	0° to +70°C
Termination Interface Style	Through Hole
Wire/Cable Type	N/A

Mates With / Use With

Mates with Part(s)

Description	Part Number

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Mates With	IEC 60603 / TIA-1096-A

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