



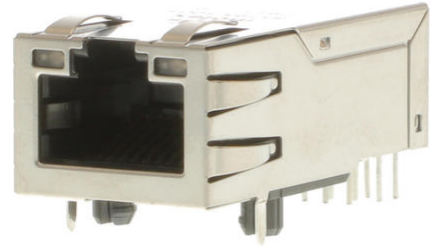
**Part Number :** [857931001](#)

**Product Description :** MXMag Gigabit Ethernet 8 Core Non-PoE Single-Port RJ45 Connector, 33.02mm Depth, 3.15mm Phy Pin Length, Right-Angle, Inverted Profile, with Shield Tabs, with Green/Green LEDs, Standard Temperature, Tray

**Series Number :** 85793

**Status :** Active

**Product Category :** Modular Jacks and Plugs



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## Documents and Resources

### Drawings

[857931001\\_sd.pdf](#)

[PK-85759-001-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)


### Specifications

[PS-85793-001-001.pdf](#)

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## 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 2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one; Lead monoxide per D(2024)6225-DC (07 Nov 2024)

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	85793
Description	MXMag Gigabit Ethernet 8 Core Non-PoE Single-Port RJ45 Connector, 33.02mm Depth, 3.15mm Phy Pin Length, Right-Angle, Inverted Profile, with Shield Tabs, with Green/Green LEDs, Standard Temperature, Tray
Component Type	PCB Jack
Keyword	MagJack, Mag Jack, Magnetic Jack, MagJacks, Mag Jacks, Magnetic Jacks, Mag-Jack
Magnetic	Yes
Performance Category	1000Mb
Power over Ethernet (PoE)	Non-PoE
Product Name	Magnetic Jack, MXMag, RJ45

UPC	884982282087
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## Agency

UL	E177474
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## Electrical

Current - Maximum per Contact	1.0A
Grounding to Panel	Yes
Grounding to PCB	Yes
Shielded	Yes
Voltage - Maximum	150V (RMS)

## Physical

Color - Resin	Black
Depth	33.02mm
Durability (mating cycles max)	750
Inverted / Top Latch	Yes
Jack Height	13.87mm
Keying to Mating Part	No
Lightpipes/LEDs	LEDs
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polybutylene Terephthalate (PBT)
Net Weight	9.400/g
Orientation	Right Angle (Side Entry)
Packaging Type	Tray
Panel Mount	Spring Tabs
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Plating min - Mating	0.381µm
Plating min - Termination	1.270µm
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

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
Mates With	Plugs according to IEC 60603-7

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