



Part Number : [857891006](#)

Product Description : MXMag Gigabit Ethernet 8 Core PoE+ 30W Single-Port RJ45 Connector, 33.02mm Depth, 3.15mm Phy Pin Length, Right-Angle, Inverted Profile, with Shield Tabs, with Green/Yellow LEDs, Standard Temperature, Tray

Series Number : 85789

Status : Active

Product Category : Modular Jacks and Plugs



Documents & Resources

Drawings

[857891006_sd.pdf](#)

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

3D Models and Design Files

[857891006_stp.zip](#)

Specifications

[PS-85789-001-001.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 2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one; Lead monoxide per D(2023)3788-DC (14 Jun 2023) |
| 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 | 85789 |
| Description | MXMag Gigabit Ethernet 8 Core PoE+ 30W Single-Port RJ45 Connector, 33.02mm Depth, 3.15mm Phy Pin Length, Right-Angle, Inverted Profile, with Shield Tabs, with Green/Yellow 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) | PoE+ |
| Product Name | Magnetic Jack, MXMag, RJ45 |
| UPC | 884982228078 |

Agency

| | |
|----|---------|
| UL | E177474 |
|----|---------|

Electrical

| | |
|-------------------------------|------|
| Current - Maximum per Contact | 1.0A |
| Grounding to Panel | Yes |
| Grounding to PCB | Yes |
| Shielded | Yes |
| Voltage - Maximum | 57V |

Physical

| | |
|--------------------------------|--------------------------|
| Color - Resin | Black |
| Depth | 33.02mm |
| Durability (mating cycles max) | 750 |
| Inverted / Top Latch | Yes |
| Jack Height | 13.87mm |
| Keying to Mating Part | None |
| Lightpipes/LEDs | LEDs |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | PBT |
| Net Weight | 9.520/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 |

Solder Process Data

| | |
|------------------------------|-----|
| Max-Duration | 3 |
| Lead-Free Process Capability | N/A |
| Max-Cycle | 3 |
| Max-Temp | 260 |

Mates With / Use With

Mates with Part(s)

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

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