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**Part Number:** [0857891001](#)  
**Status:** **Active**  
**Overview:** Magnetic Modular Jacks  
**Description:** Gigabit Magnetic Jack, PoE PLUS ENABLED 1x1, LEDs: GREEN - GREEN

**Documents:**

[3D Model](#) [Packaging Specification PK-85759-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-85789-001-001 \(PDF\)](#)

**Agency Certification**

UL E177474

**General**

Product Family Modular Jacks/Plugs  
 Series [85789](#)  
 Component Type PCB Jack  
 Magnetic Yes  
 Overview [Magnetic Modular Jacks](#)  
 Performance Category 5, 5e  
 Power over Ethernet (PoE) PoE+  
 Product Name Magnetic Jack, Modular Jack 8/8  
 UPC 884982228054

**Physical**

Durability (mating cycles max) 750  
 Inverted / Top Latch Yes  
 Jack Height 13.87mm  
 Keying to Mating Part Yes  
 Lightpipes/LEDs LEDs  
 Material - Metal Brass, Phosphor Bronze  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Net Weight 10.861/g  
 Orientation Right Angle (Side Entry)  
 PCB Retention None  
 PCB Thickness - Recommended 1.60mm  
 Packaging Type Tray  
 Panel Mount No  
 Pitch - Mating Interface 1.02mm  
 Pitch - Termination Interface 1.02mm  
 Plating min - Mating 0.381µm  
 Plating min - Termination 1.270µm  
 Ports 1  
 Positions / Loaded Contacts 8/8  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating 0°C to +70°C  
 Termination Interface: Style Through Hole  
 Wire/Cable Type N/A

**Electrical**

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

**Solder Process Data**



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant with Exemption 7(c)-I**

**REACH SVHC**

Not Contained Per - ED/108/2014 (17 Dec 2014)

**Halogen-Free**

**Status**

**Not Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS	50 Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

[85789 Series](#)

Lead-freeProcess Capability

N/A

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification

PK-85759-001

Product Specification

PS-85789-001-001

Sales Drawing

857891001-000, SD-85789-001, SD-85789-401

This document was generated on 07/25/2017

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