

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0857911020](#)  
**Status:** **Active**  
**Overview:** Magnetic Modular Jacks  
**Description:** PDJack Gigabit Single Port Magnetic Jack with Integrated POE+, Class 1

**Documents:**

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

**General**

Product Family	Modular Jacks/Plugs
Series	<a href="#">85791</a>
Component Type	PCB Jack
Magnetic	Yes
Overview	<u>Magnetic Modular Jacks</u>
Performance Category	5, 5e
Power over Ethernet (PoE)	PoE+
Product Name	Magnetic Jack, Modular Jack 8/8, PDJack, RJ45
UPC	887191157337

**Physical**

Boot Color	N/A
Color - Resin	Black
Durability (mating cycles max)	750
Inverted / Top Latch	Yes
Jack Height	13.87mm
Lightpipes/LEDs	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	PBT
Net Weight	12.142/g
Orientation	Right Angle (Side Entry)
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Tray
Panel Mount	Spring Tabs
Pitch - Mating Interface	1.02mm
Pitch - Termination Interface	2.03mm
Plating min - Mating	0.762µm
Ports	1
Positions / Loaded Contacts	8/8
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	0° to +70°C
Termination Interface: Style	Through Hole
Waterproof / Dustproof	No
Wire/Cable Type	N/A

**Electrical**

Current - Maximum per Contact	1.0A
Grounding to PCB	Yes
Grounding to Panel	Yes
Shielded	Yes
Voltage - Maximum	60V AC

**Material Info**



**EU ELV**

**Not Relevant**

**EU RoHS**

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

**REACH SVHC**

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

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

50 Image

ELV

Not Relevant

RoHS Phthalates

Not Reviewed

**Search Parts in this Series**

[85791 Series](#)

**Mates With**

Plugs according to IEC 60603-7

**Reference - Drawing Numbers**

Packaging Specification

Sales Drawing

PK-85759-001-001

857910020-000

This document was generated on 10/01/2018

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**