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Part Number: [0857912020](#)
Status: **Active**
Overview: [Magnetic Modular Jacks](#)
Description: PDJack Gigabit Single Port Magnetic Jack with Integrated POE+, Class 2

Documents:

[3D Model](#) [Packaging Specification PK-85759-001-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-85791-001-001 \(PDF\)](#)

General

Product Family	Modular Jacks/Plugs
Series	85791
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, PDJack, RJ45
UPC	887191157344

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	11.097/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



Series image - Reference only

EU ELV

Not Reviewed

EU RoHS

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

Need more information on product environmental compliance?

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

China ROHS	Not Reviewed
ELV	Not Reviewed
RoHS Phthalates	Not Reviewed

Search Parts in this Series

[85791](#) Series

Mates With

Plugs according to IEC 60603-7

Material Info

Reference - Drawing Numbers

Packaging Specification

PK-85759-001-001

Product Specification

PS-85791-001-001

Sales Drawing

857910020-000

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