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**Part Number:** [0855427001](#)  
**Status:** **Active**  
**Overview:** [Magnetic and Modular Jacks and Plugs](#)  
**Description:** [Modular Jack, Right Angle, Surface Mount, 8/8, Low Profile, Shielded, Reel](#)

**Documents:**

<a href="#">3D Model</a>	<a href="#">Test Summary STR-1424-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-95622-001-001 (PDF)</a>	<a href="#">Product Literature (PDF)</a>
<a href="#">Application Specification AS-85513-001-001 (PDF)</a>	

**General**

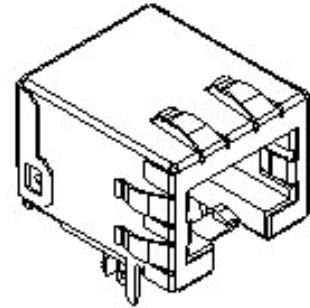
Product Family	Modular Jacks/Plugs
Series	<a href="#">85542</a>
Comments	Reflow Capable, External Shield, Enhanced panel grounding tabs
Component Type	PCB Jack
Magnetic	No
Overview	<a href="#">Magnetic and Modular Jacks and Plugs</a>
Performance Category	3
Power over Ethernet (PoE)	N/A
Product Literature Order No	987650-8441
Product Name	Modular Jack 8/8, RJ45
UPC	884982730519

**Physical**

Boot Color	N/A
Color - Resin	Black
Durability (mating cycles max)	2500
Inverted / Top Latch	No
Jack Height	13.00mm
Lightpipes/LEDs	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold over Palladium Nickel
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	5.074/g
Orientation	Right Angle (Side Entry)
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.57mm
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	1.02mm
Pitch - Termination Interface	1.27mm
Plating min - Mating	0.051µm, 0.600µm
Plating min - Termination	1.905µm
Ports	1
Positions / Loaded Contacts	8/8
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Surface Mount
Waterproof / Dustproof	No
Wire/Cable Type	N/A

**Electrical**

Current - Maximum per Contact	1.5A
Grounding to Panel	Additional Grounding Springs



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/01/2018 (15  
January 2018)

**Halogen-Free**

**Status**

**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

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[85542](#) Series

**Mates With**

[95043](#) Modular Plug, Short Body

Shielded  
Voltage - Maximum

Yes  
125V DC

**Material Info**

**Reference - Drawing Numbers**

Application Specification  
Product Specification  
Sales Drawing  
Test Summary

AS-85513-001-001  
PS-95622-001-001  
SD-85542-501  
STR-1424-001

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