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**Part Number:** [85542-7001](#)  
**Status:** **Active**  
**Overview:** [Modular Plugs - Jacks](#)  
**Description:** Modular Jack, Right Angle, Low Profile, Shielded, SMT, 8/8, Palladium Nickel (PdNi)

**Documents:**

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

**General**

Product Family	Modular Jacks/Plugs
Series	<a href="#">85542</a>
Comments	Enhanced panel grounding tabs
Component Type	PCB Jack
Magnetic	No
Overview	<a href="#">Modular Plugs - Jacks</a>
Performance Category	3
Power over Ethernet (PoE)	N/A
Product Name	RJ45
UPC	884982730519

**Physical**

Boot Color	N/A
Color - Resin	Black
Durability (mating cycles max)	2,500
Inverted / Top Latch	No
Jack Height	13.00mm
Lightpipes/LEDs	None
Material - Metal	Brass, Phosphor Bronze
Material - Plating Mating	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
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	1.02mm
Pitch - Termination Interface	1.27mm
Plating min - Mating	1.270µm
Plating min - Termination	1.905µm
Ports	1
Positions / Loaded Contacts	8/8
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +80°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
Shielded	Yes
Voltage - Maximum	125V DC

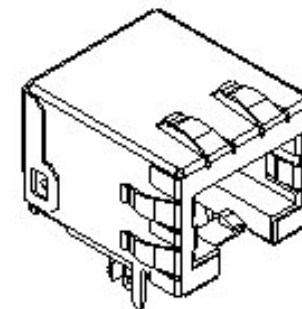


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Series

**EU RoHS**

**ELV and RoHS  
Compliant**

**REACH SVHC**

**Contains SVHC: No  
Low-Halogen Status  
Low-Halogen**

**China RoHS**



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Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[85542Series](#)

**Mates With**

FCC 68 Jacks

## Material Info

### Reference - Drawing Numbers

Application Specification	AS-85513-001
Product Specification	PS-95622-001
Sales Drawing	SD-85542-501
Test Summary	STR-1424

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