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**Part Number:** [0855045001](#)  
**Status:** **Active**  
**Overview:** [Modular Jacks and Plugs](#)  
**Description:** [Modular Jack, Cat5e, Right Angle, Through Hole, 8/8, Low Profile, Int. Shielded, Tray](#)

**Documents:**

<a href="#">3D Model</a>	<a href="#">Test Summary STR-1509 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-85504-001 (PDF)</a>	<a href="#">Product Literature (PDF)</a>
<a href="#">Application Specification AS-85513-001 (PDF)</a>	

**Agency Certification**

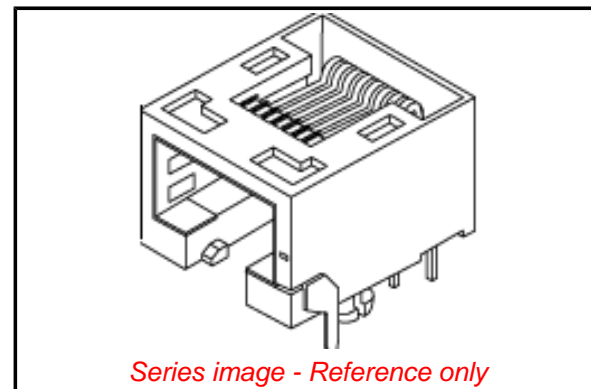
UL E107635

**General**

Product Family	Modular Jacks/Plugs
Series	85504
Comments	Reflow Capable, Internal Shield
Component Type	PCB Jack
Magnetic	No
Overview	<a href="#">Modular Jacks and Plugs</a>
Performance Category	5e
Power over Ethernet (PoE)	N/A
Product Literature Order No	987650-8441
Product Name	RJ45
UPC	800756681368

**Physical**

Boot Color	N/A
Color - Resin	Black
Durability (mating cycles max)	2500
Flammability	94V-0
Inverted / Top Latch	No
Jack Height	11.50mm
Lightpipes/LEDs	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold over Palladium Nickel
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	2.711/g
Orientation	Right Angle (Side Entry)
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.57mm
Packaging Type	Tray
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)	No
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Through Hole
Waterproof / Dustproof	No
Wire/Cable Type	N/A



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/79/2015 (17  
December 2015)

**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

Green Image

Not Relevant

**Search Parts in this Series**

85504 Series

**Mates With**

95043 Modular Plug, Short Body

**Electrical**

Current - Maximum per Contact	1.5A
Grounding to PCB	Yes
Shielded	Yes
Voltage - Maximum	125V DC

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	040
Lead-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

**Material Info****Reference - Drawing Numbers**

Application Specification	AS-85513-001
Product Specification	PS-85504-001
Sales Drawing	SD-85504-501
Test Summary	STR-1509

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