

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

**Part Number:** [85513-5014](#)  
**Status:** **Active**  
**Overview:** Modular Plugs - Jacks  
**Description:** Modular Jack, Low Profile Top Entry, SMT, 6/6 Circuits, Gold (Au), Blister on 13" Reel

**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-1425 (PDF)</a>
<a href="#">Product Specification PS-85513-002 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

UL E107635

**General**

Product Family	Modular Jacks/Plugs
Series	<a href="#">85513</a>
Component Type	PCB Jack
Magnetic	No
Overview	<a href="#">Modular Plugs - Jacks</a>
Performance Category	3
Power over Ethernet (PoE)	N/A
Product Name	RJ12
UPC	822350835435

**Physical**

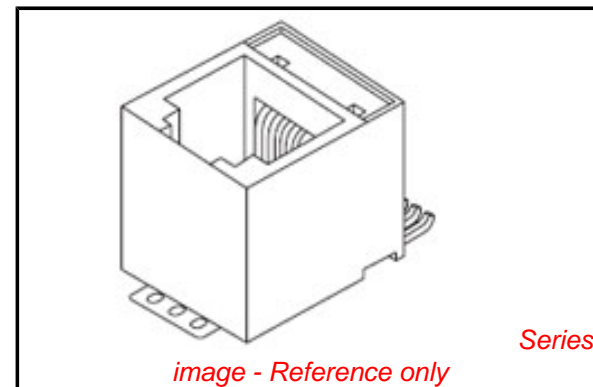
Color - Resin	Black
Durability (mating cycles max)	500
Flammability	94V-0
Inverted / Top Latch	N/A
Jack Height	12.70mm
Lightpipes/LEDs	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	2.258/g
Orientation	Vertical (Top Entry)
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	1.02mm
Pitch - Termination Interface	1.27mm
Ports	1
Positions / Loaded Contacts	6/6
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
Shielded	No
Voltage - Maximum	125V AC (RMS)

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	45
--	----



**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC**  
 Not Reviewed  
**Low-Halogen Status**  
 Not Reviewed

**China RoHS**



**Need more information on product  
environmental compliance?**

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**

[85513Series](#)

**Mates With**

[90075 Modular Plug](#)

Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260

### **Material Info**

### **Reference - Drawing Numbers**

Application Specification	AS-85513-001
Product Specification	PS-85513-002
Sales Drawing	SD-85513-010
Test Summary	STR-1425

This document was generated on 12/21/2012

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