

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

**Part Number:** [85503-5001](#)  
**Status:** **Active**  
**Overview:** [Modular Plugs - Jacks](#)  
**Description:** Modular Jack, High Speed, Right Angle, 8/8, Cat 5e, Through Hole, Gold (Au), Tin (Sn) over Nickel (Ni)

**Documents:**

[3D Model](#) [Test Summary STR-1181 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Application Specification AS-85513-001 \(PDF\)](#)

**Agency Certification**

UL E107635

**General**

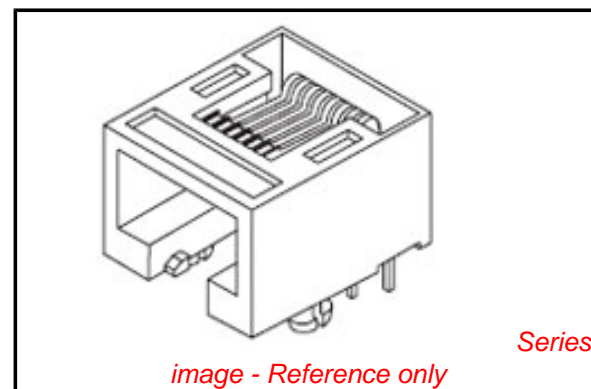
Product Family Modular Jacks/Plugs  
 Series [85503](#)  
 Component Type PCB Jack  
 Magnetic No  
 Overview [Modular Plugs - Jacks](#)  
 Performance Category 5e  
 Power over Ethernet (PoE) N/A  
 Product Name RJ45

**Physical**

Boot Color N/A  
 Color - Resin Black  
 Durability (mating cycles max) 750  
 Flammability 94V-0  
 Inverted / Top Latch No  
 Jack Height 11.50mm  
 Lightpipes/LEDs None  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 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 1.270µm  
 Plating min - Termination 1.905µm  
 Ports 1  
 Positions / Loaded Contacts 8/8  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating -40°C to +80°C  
 Termination Interface: Style Through Hole  
 Waterproof / Dustproof No  
 Wire/Cable Type N/A

**Electrical**

Current - Maximum per Contact 1.5A  
 Shielded No



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Contains SVHC: No**  
**Low-Halogen Status Low-Halogen**

**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**

[85503Series](#)

**Mates With**

[95043 Modular Plug, Short Body](#)

Voltage - Maximum 125V

### **Solder Process Data**

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

### **Material Info**

### **Reference - Drawing Numbers**

Application Specification	AS-85513-001
Product Specification	RPS-85503-002
Sales Drawing	SD-85503-101
Test Summary	STR-1181

This document was generated on 04/02/2012

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