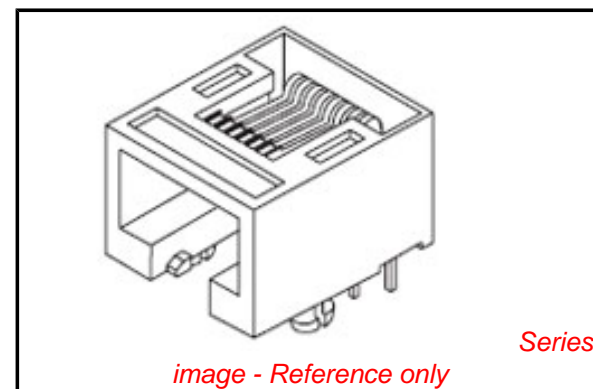


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Part Number: [85503-5001](#)
Status: **Active**
Overview: [Modular Plugs - Jacks](#)
Description: Modular Jack, High Speed, Right Angle, 8/8, Cat 5e, Through Hole, Gold (Au), Tin (Sn) over Nickel (Ni)

Documents:

3D Model	Test Summary STR-1181 (PDF)
Drawing (PDF)	Test Summary STR-1427 (PDF)
Application Specification AS-85513-001 (PDF)	RoHS Certificate of Compliance (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	5, 5e
Power over Ethernet (PoE)	N/A
Product Name	RJ45
UPC	822350976619

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
Net Weight	2.460g
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

EU RoHS **China RoHS**

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



Need more information on product environmental compliance?

Email 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](#)

Current - Maximum per Contact	1.5A
Shielded	No
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, STR-1427

This document was generated on 01/28/2015

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