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Part Number: [85513-5009](#)
Status: **Active**
Overview: [Modular Plugs - Jacks](#)
Description: [Modular Jack, Low Profile Top Entry, SMT, 8/8 Circuits, Gold \(Au\), Blister on 22" Reel](#)

Documents:
[3D Model](#) [Application Specification AS-85513-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [Test Summary STR-1425 \(PDF\)](#)
[Product Specification PS-85513-002 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

UL E107635

General

Product Family [Modular Jacks/Plugs](#)
Series [85513](#)
Component Type [PCB Jack](#)
Magnetic [No](#)
Overview [Modular Plugs - Jacks](#)
Performance Category [3](#)
Power over Ethernet (PoE) [N/A](#)
Product Name [RJ45](#)
UPC [822350833097](#)

Physical

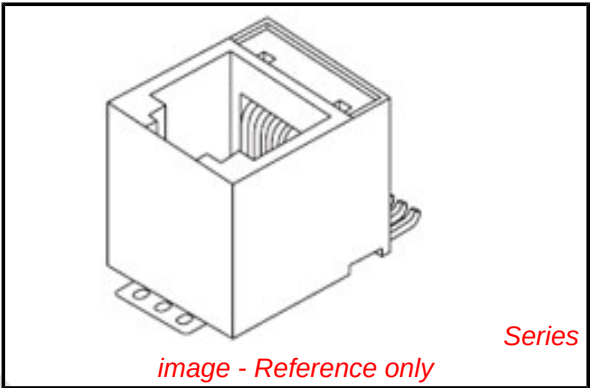
Color - Resin [Black](#)
Durability (mating cycles max) [500](#)
Flammability [94V-0](#)
Inverted / Top Latch [N/A](#)
Jack Height [12.70mm](#)
Lightpipes/LEDs [None](#)
Material - Metal [Copper Alloy](#)
Material - Plating Mating [Gold](#)
Material - Plating Termination [Tin](#)
Material - Resin [High Temperature Thermoplastic](#)
Net Weight [2.880/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 [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](#)
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
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
[85513Series](#)

Mates With
[90075 Modular Plug](#)

Lead-free Process Capability
Max. Cycles at Max. Process Temperature
Process Temperature max. C

Reflow Capable (SMT only)
3



Material Info

Reference - Drawing Numbers

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

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