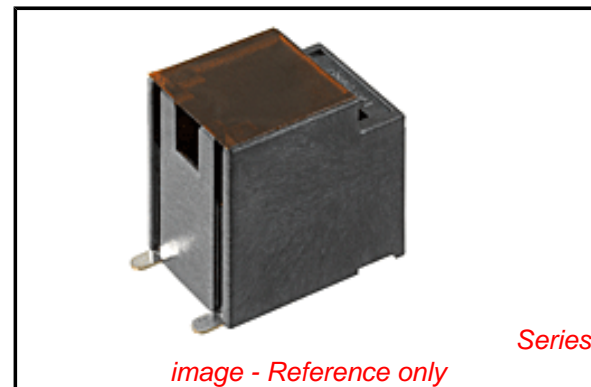


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Part Number: [85510-5120](#)
Status: **Active**
Overview: [Modular Plugs - Jacks](#)
Description: Modular Jack, Vertical, Top Entry, Surface Mount, 8/8 Solder Tabs, Gold (Au), Pick-and-Place Kapton Tape, 13" Reel

Documents:

3D Model	Test Summary STR-1429 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-95503-001 (PDF)	Product Literature (PDF)
Application Specification AS-85513-001 (PDF)	



General

Product Family	Modular Jacks/Plugs
Series	85510
Comments	Small Panel Cutout
Component Type	PCB Jack
Magnetic	No
Overview	Modular Plugs - Jacks
Performance Category	3
Power over Ethernet (PoE)	N/A
Product Literature Order No	987651-0729
Product Name	RJ45
UPC	887191485171

Physical

Color - Resin	Black
Durability (mating cycles max)	1,250
Inverted / Top Latch	Yes
Jack Height	15.70mm
Lightpipes/LEDs	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	3.132/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 +85°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 DC

Solder Process Data

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Low-Halogen Status

Low-Halogen

China RoHS



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

85510Series

Mates With

90075 Modular Plug

Use With

90075 Modular Plugs

Duration at Max. Process Temperature (seconds)	40
Lead-free Process Capability	Reflow Capable (SMT 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	PS-95503-001
Sales Drawing	SD-85510-002
Test Summary	STR-1429

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