

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: **0855105120**
Status: **Active**
Overview: Magnetic and Modular Jacks/Plugs
Description: Modular Jack, Vertical, Top Entry, Surface Mount, 8/8, Solder Tabs, Pick-and-Place Polyimide Tape, 13" Reel

Documents:

Drawing (PDF)	Application Specification AS-85513-001-001 (PDF)
3D Model (PDF)	Packaging Specification PK-85510-002 (PDF)
3D Model	Datasheet (PDF)
Product Specification PS-95503-001-001 (PDF)	RoHS Certificate of Compliance (PDF)



General

Product Family	Modular Jacks/Plugs
Series	85510
Comments	Reflow Capable, Small Panel Cutout
Component Type	PCB Jack
Magnetic	No
Overview	Magnetic and Modular Jacks/Plugs
Performance Category	3
Power over Ethernet (PoE)	N/A
Product Name	Modular Jack 8/8, RJ45
UPC	887191485171

Physical

Boot Color	N/A
Color - Resin	Black
Durability (mating cycles max)	2500
Inverted / Top Latch	No
Jack Height	15.70mm
Lightpipes/LEDs	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold over Palladium Nickel
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
Plating min - Mating	0.051µm, 1.016µm
Plating min - Termination	1.905µm
Port Configuration	1x1
Positions / Loaded Contacts	8/8
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° 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

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[85510 Series](#)

Mates With

[90075 Modular Plug](#)

Use With

[90075 Modular Plugs](#)

Solder Process Data

Duration at Max. Process Temperature (seconds)	040
Lead-free Process Capability	REFLOW
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

Material Info**Reference - Drawing Numbers**

Application Specification	AS-85513-001-001
Packaging Specification	PK-85510-002
Product Specification	PS-95503-001-001
Sales Drawing	SD-85510-002-001

This document was generated on 01/03/2022

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Modular Connectors](#) / [Ethernet Connectors](#) category:

Click to view products by [Molex](#) manufacturer:

Other Similar products are found below :

[8949-H88/06BLKA/SN](#) [74441-0010/BKN](#) [MP1010RX-1000](#) [MP44RX-1000](#) [PHP-6P6C-5](#) [GAX-3-66](#) [GAX-8-62](#) [GDCX-PA-66-50](#) [GDCX-PN-64](#) [GDCX-PN-66](#) [GDCX-PN-66-50](#) [GDLX-A-66](#) [GDLX-N-66](#) [GDLX-S-66](#) [GDLX-S-88K](#) [GDTX-S-88-50](#) [GDX-PA-1010](#) [GLX-N-1010M-BLK](#) [GLX-S-88M-BLK](#) [GMX-N-1010](#) [GMX-S-1010](#) [GMX-S-66](#) [GMX-SMT4-N-88](#) [GPX-2-64](#) [GSGX-N-2-88](#) [GSGX-N-4-88](#) [GSX-NS2-88-3.05](#) [GSX-NS2-88-3.05-50](#) [GSX-NS-88-3.05-50](#) [GSX-NS-88-3.68](#) [PT-108A-8C-UL](#) [PT-J951-8C](#) [PTS-J531-8CS-50UL](#) [1-1775629-2](#) [A-2014-0-4](#) [GWLX-S-88-GR](#) [GWLX-S9-88-YG](#) [DC-1021-8-WH-6](#) [1300530003](#) [1324640-4](#) [RJ11FTVC2G](#) [RJ11FTVC2N](#) [RJFTVX2SA1G](#) [132764-001](#) [1413235](#) [MP88X-1000](#) [MPS88RX-5000](#) [MRJR-5481-0F2](#) [E5288-S000K3-L](#) [E5908-15A242-L](#)