

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

**Part Number:** [0855115001](#)  
**Status:** **Active**  
**Overview:** [modular\\_plugs\\_jacks](#)  
**Description:** Modular Jack, Vertical, 8/8, Cat5E, Low Profile

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification PS-95003 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-85505 (PDF)</a>	

**Agency Certification**

UL E107635

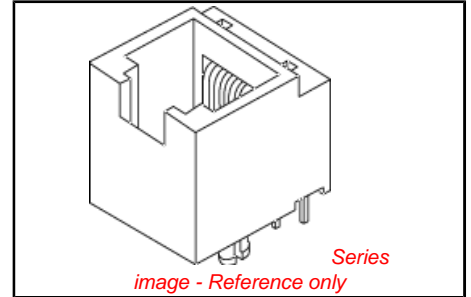
**General**

Product Family	Modular Jacks/Plugs
Series	85511
Comments	Small Panel Cutout Snap Pegs
Component Type	PCB Jack
Magnetic	No
Overview	<a href="#">modular_plugs_jacks</a>
Performance Category	5e
Power over Ethernet (PoE)	N/A
Product Name	RJ45

**Physical**

Color - Resin	Black
Durability (mating cycles max)	1,000
Flammability	94V-0
Inverted / Top Latch	No
Lightpipes/LEDs	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Orientation	Vertical (Top Entry)
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Pitch - Term. Interface (in)	0.050 In
Pitch - Term. Interface (mm)	1.27 mm
Plating min: Mating (µin)	1.27
Plating min: Mating (µm)	50
Plating min: Termination (µin)	1.27
Plating min: Termination (µm)	75
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
Wire/Cable Type	N/A

**Electrical**



**EU RoHS**

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

**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**  
[85511Series](#)

**Mates With**  
 FCC 68 Plugs

Current - Maximum per Contact	1.5A
Shielded	No
Voltage - Maximum	125V

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	3
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**

Packaging Specification	PK-95003
Product Specification	PS-85505, PS-95003
Sales Drawing	SD-85511-501

This document was generated on 06/07/2010

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**NOTES :**

**1- MATERIAL:**

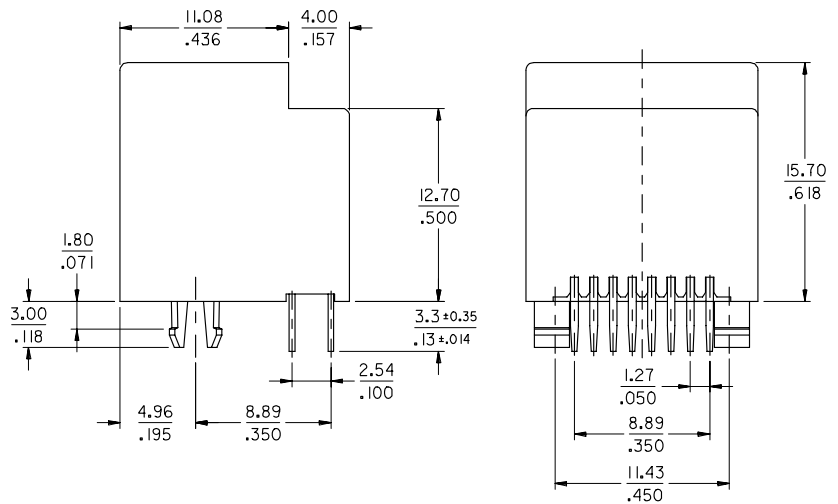
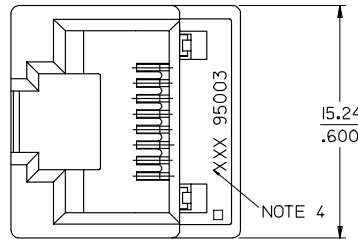
-HOUSING: LCP FIBER GLASS FILLED UL 94-V0  
COLOR BLACK.

-TERMINAL: PHOSPHOR BRONZE.

**PLATING :**

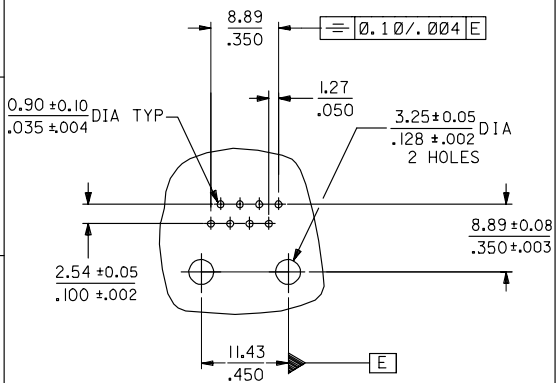
POST PLATE 0.00127-0.00152/.000050-.000060 GOLD IN CONTACT AREA , 0.00190/.000075 MIN PURE TIN IN TAIL AREA BOTH OVER 0.00127/.000050 MIN NICKEL OVERALL.

- 2- JACK FOR MATING WITH F.C.C. 68 PLUGS (90075 MOLEX SERIES).
- 3- PRODUCT SPECIFICATION PS-95503-001 AND PS-85505-001 (SECTION 5.2).
- 4- MANUFACTURING I.D. CAN BE MG, MXF OR MXI.
- 5- PACKAGING SPECIFICATION PK-95003 SHEET 1: (TRAY PACKAGING).
- 6- EXCEEDS CATEGORY 5E PERFORMANCE.
- 7- APPLICATION SPECIFICATION: AS-85513-001



**P.C.B. MOUNTING PATTERN**  
(see from component side)

SCALE 2:1



ORIGINAL LCP EC NO: E2007-0837 DRAWN BY: 2007/04/02 CHKD: 2007/04/02 APPR: 2007/04/02	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ± --- ± --- 3 PLACES ± --- ± .006 2 PLACES ± 0.15 ± .010 1 PLACE ± 0.25 ± --- ANGULAR ± 1/2°	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0 ▽=0		MM/IN	4:1	METRIC	
	DRAWN BY: HB CHECKED BY: ER APPROVED BY: FB		DATE: 99/08/18 DATE: 99/08/18 DATE: 99/08/18	TITLE	HIGH SPEED MODULAR JACK TOP ENTRY LOW PROFILE THROUGH HOLE 8 CKTS	
	MATERIAL NO. 85511-5001		DOCUMENT NO. SD-85511-501	SHEET NO. 1 OF 1		