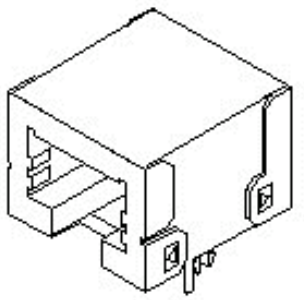
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Part Number: 0855055113
Status: Active
Overview: modular_plugs_jacks
Description: Modular Jack, Right Angle, Low Profile, Fully Shielded, 8/8, Cat5e, Through Hole, Version A, Tube



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-85505-101 (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

UL	E107635

General

Product Family	Modular Jacks/Plugs
Series	85505
Comments	External Shield
Component Type	PCB Jack
Magnetic	No
Overview	modular_plugs_jacks
Performance Category	5e
Power over Ethernet (PoE)	N/A
Product Name	RJ45

Physical

Color - Resin	Black
Durability (mating cycles max)	500
Flammability	94V-0
Inverted / Top Latch	No
Lightpipes/LEDs	None
Material - Metal	Brass, Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Orientation	Right Angle (Side Entry)
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.57 mm
Packaging Type	Tube
Pitch - Mating Interface (in)	0.040 In
Pitch - Mating Interface (mm)	1.02 mm
Pitch - Term. Interface (in)	0.050 In
Pitch - Term. Interface (mm)	1.27 mm
Plating min: Mating (µin)	50.8
Plating min: Mating (µm)	1.27
Plating min: Termination (µin)	76
Plating min: Termination (µm)	1.9
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

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
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
85505Series

Mates With
FCC 68 Plugs

Electrical

Current - Maximum per Contact	1.5A
Grounding to PCB	No
Shielded	Yes
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-95122-006
Product Specification	PS-85505-101
Sales Drawing	SD-85505-106

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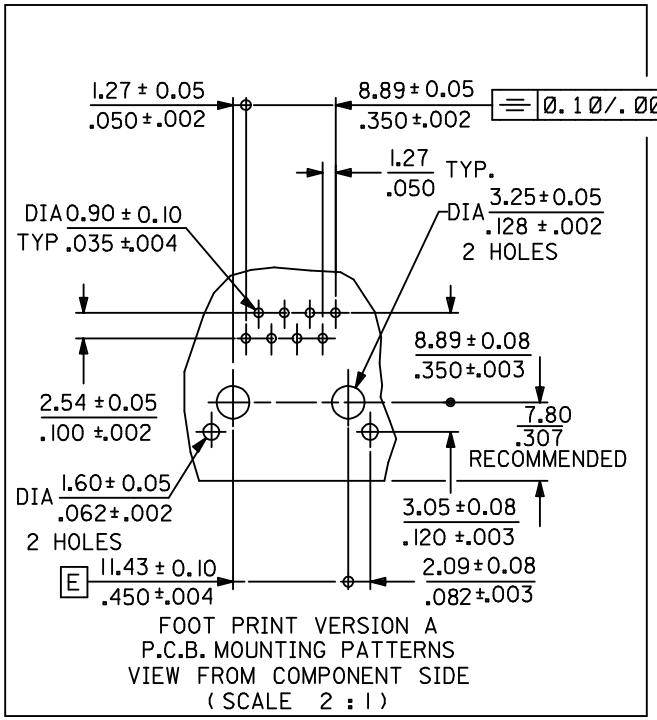
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

TECHNICAL SPECIFICATIONS:

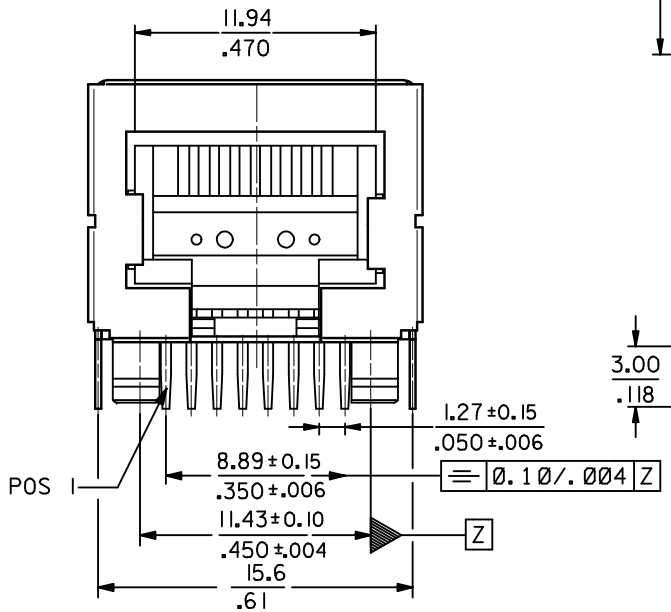
I- MATERIAL :

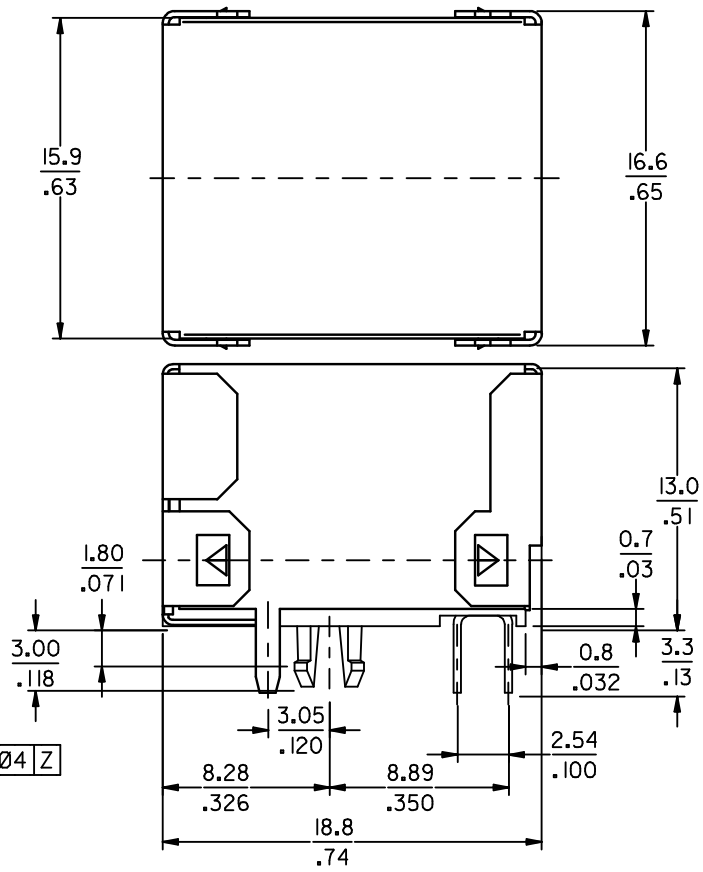
HOUSING: LCP GLASS FILLED UL 94V0 COLOR BLACK
TERMINAL : PHOSPHOR BRONZE PLATED WITH :
0.00127/.000050 MIN. GOLD IN CONTACT AREA,
0.00190/.000075 MIN. PURE TIN IN TAIL AREA,
BOTH OVER 0.00127/.000050 MIN. NICKEL OVERALL
SHIELD : BRASS PLATED WITH 0.0020/.000078 MIN. TIN

ENG.N°.	FOOTPRINT VERSION	HOUSING SIZE	LOADED CKTS	PANEL GROUND	TOOLED	PACKAGING SPEC. TUBE PACKAGING.
85505-5113	A	8	8	NO	YES	PK-95122-006



FOOT PRINT VERSION A
P.C.B. MOUNTING PATTERNS
VIEW FROM COMPONENT SIDE
(SCALE 2 : 1)





NOTES:

1- JACK FOR MATING WITH SHIELDED PLUG
MOLEX 95043 AND 85568 SERIES.
2- PRODUCT SPECIFICATION: MOLEX PS-85505-101
3- APPLICATION SPECIFICATION: MOLEX AS-85513-001
4- PACKAGING SPECIFICATION: SEE CHART
5- P.C. BOARD THICKNESS : 1.57/.062
6- EXCEEDS CATEGORY 5E PERFORMANCE.

REMOVED PART 5013
EC NO: E2008-0230 2008/10/28
DRWN: DBYRNES 2009/02/27
CH'KD: APPR: JWALLACE 2009/03/03
DESCRIPTION
REV D

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .014
1 PLACE	± 0.35	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY	TMARTIN	DATE 2005/03/08
CHECKED BY	FCARABETTA	DATE 2005/03/08
APPROVED BY	KNOLLER	DATE 2005/03/08

TITLE: HIGH SPEED MODULAR JACK R/A FULLY SHIELDED THROUGH HOLE - VERSION A

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-85505-106
SHEET NO.: 1 OF 1
SIZE: A3

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