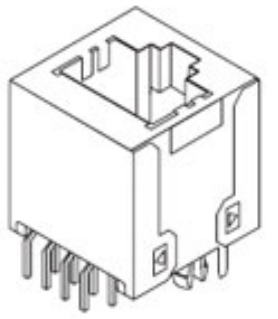
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Part Number: 0855085001
Status: Active
Overview: modular_plugs_jacks
Description: Modular Jack, Vertical, Shielded, 8/8, Cat5E



Series image - Reference only

Documents:

3D Model
Application Specification (PDF)
Drawing (PDF)
Product Specification PS-85508-001 (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

UL	E107635

General

Product Family	Modular Jacks/Plugs
Series	85508
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	Vertical (Top Entry)
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.57 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)	1.90
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
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
85508Series

Mates With
FCC 68 Plugs

Current - Maximum per Contact	1.5A
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-95123
Product Specification	PS-85508-001
Sales Drawing	SD-85508-501

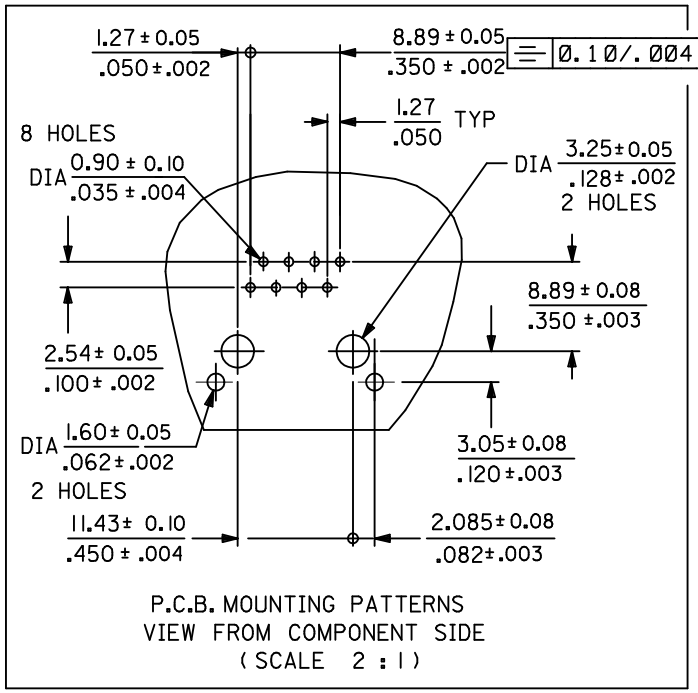
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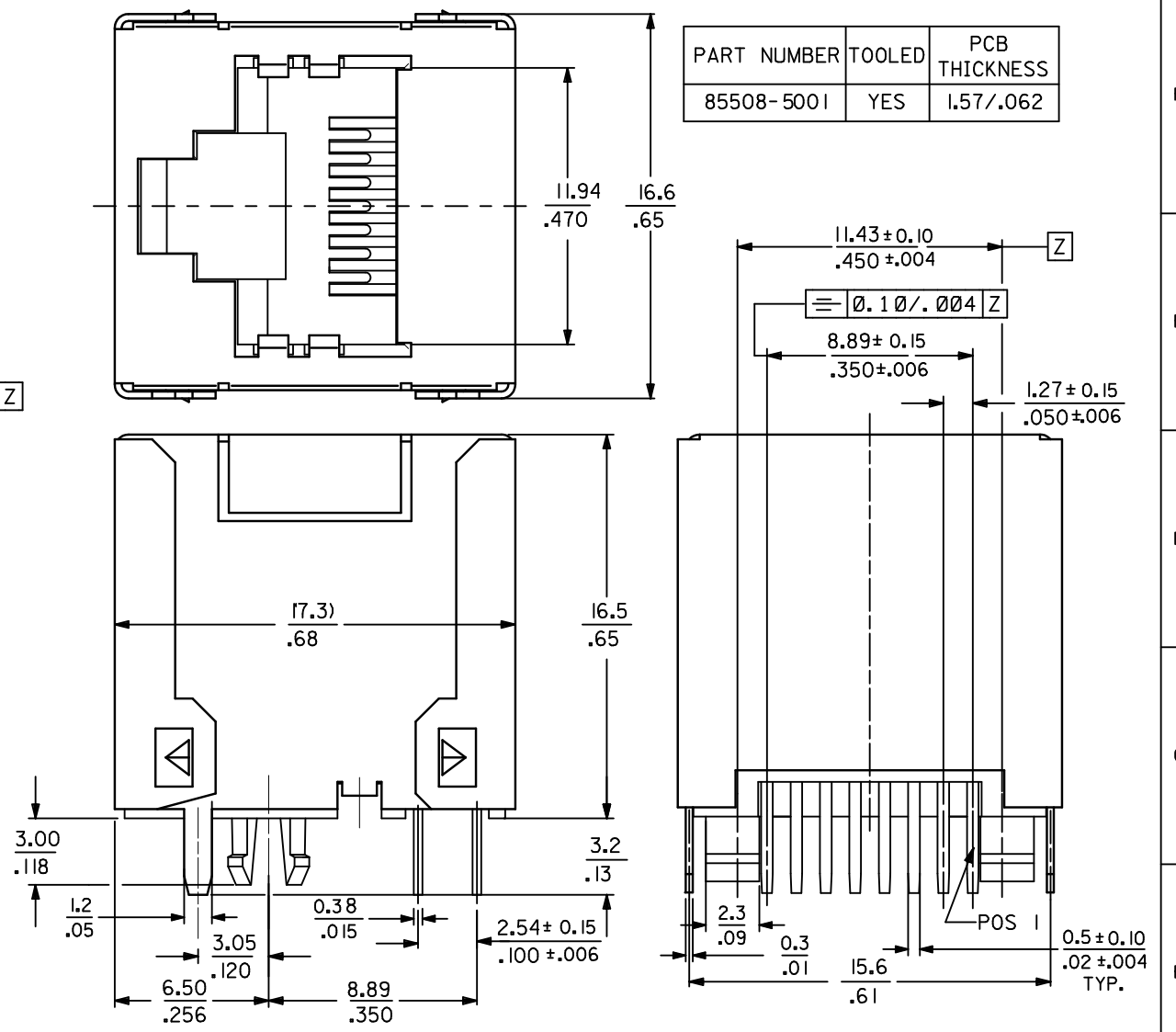
TECHNICAL SPECIFICATIONS:

1- MATERIAL: HOUSING: LCP G.F. UL94V0
COLOR : BLACK
TERMINAL : PHOSPHOR BRONZE PLATED WITH 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
SHIELD : BRASS PLATED WITH 0.0020/.000078 MIN TIN

PART NUMBER	TOOLED	PCB THICKNESS
85508-5001	YES	1.57/.062



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



NOTES :

1- JACK FOR MATING WITH F.C.C. 68 PLUGS 95043 MOLEX SERIES.
2- PRODUCT SPECIFICATION: MOLEX PS-85508-001.
3- APPLICATION SPECIFICATION: AS-85513-001
4- PACKAGING SPECIFICATION: MOLEX PK-95123.
5- EXCEEDS CATEGORY 5E PERFOMANCE.

ADD TOL TO DIM.
EC NO: UCP2010-2562 2010/04/05
DRWN: JJAGUILAR 2006/11/16
CHKD: JBELL 2010/04/09
APPR: FSMITH
DESCRIPTION
B1
REV

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 ONLY
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: DBYRNES DATE: 2006/11/14
CHECKED BY: EOMAHONY DATE: 2006/11/16
APPROVED BY: FSMITH DATE: 2010/04/09

TITLE: HIGH SPEED MODULAR JACK TOP ENTRY 8 CKTS THROUGH HOLE VERSION

MOLEX INCORPORATED

MATERIAL NO.: 85508-5001
DOCUMENT NO.: SD-85508-501
SHEET NO.: 1 OF 1
SIZE: A3

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