This document was generated on 06/07/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0855075001
Status: Active
Overview: modular_plugs_jacks
Description: Modular Jack, Vertical, High Speed Shielded, Through Hole, Cat 5,with Ribs, 8 Circuits

Documents:
3D Model
Drawing (PDF)
Application Specification (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

UL	E107635

General

Product Family	Modular Jacks/Plugs
Series	85507
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 Retention	Yes
Packaging Type	Tray
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
Temperature Range - Operating	-40°C to +80°C
Termination Interface: Style	Through Hole
Wire/Cable Type	N/A

Electrical

Current - Maximum per Contact	1.5A
Shielded	Yes
Voltage - Maximum	125V AC

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

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
85507Series

Mates With
FCC 68 Plugs

Reference - Drawing Numbers

Application Specification	AS-85513-001
Packaging Specification	PK-95022
Sales Drawing	SD-85507-501

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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.

-SHIELD: BRASS PLATED WITH 0.0020/.00078 TIN

2- JACK FOR MATING WITH F.C.C. 68 SHIELDED PLUGS (95043 MOLEX SERIES).

3- PRODUCT SPECIFICATION PS-95540-002 AND PS-85505-001 (SECTION 5.2).

4- PACKAGING SPECIFICATION PK-95022 (TRAY PACKAGING).

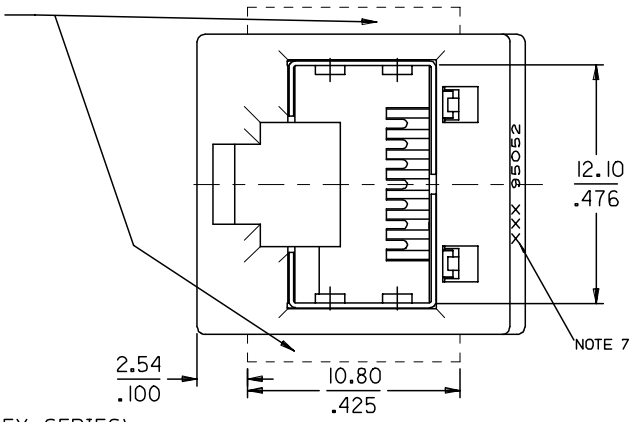
5- EXCEEDS CATEGORY 5E PERFORMANCE.

6- PC BOARD THICKNESS: 1.57/.062

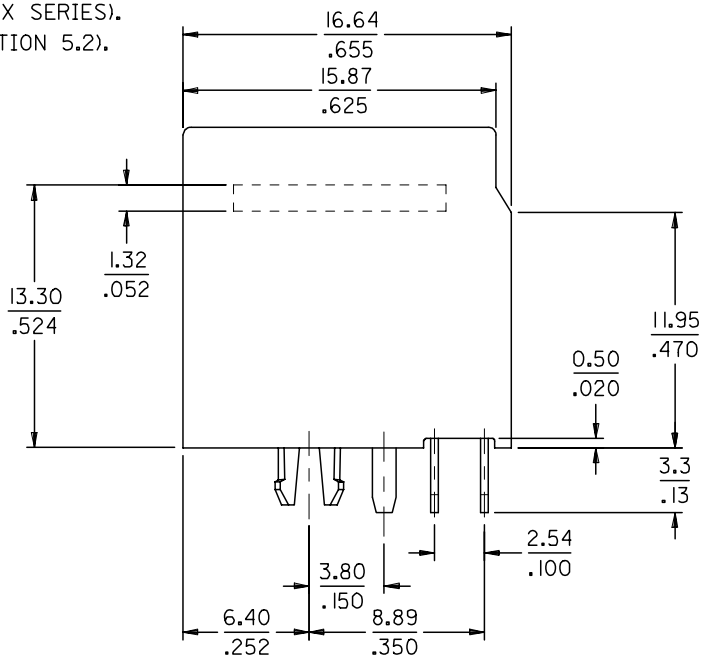
7- MANUFACTURING I.D. CAN BE MG, MXF OR MXI.

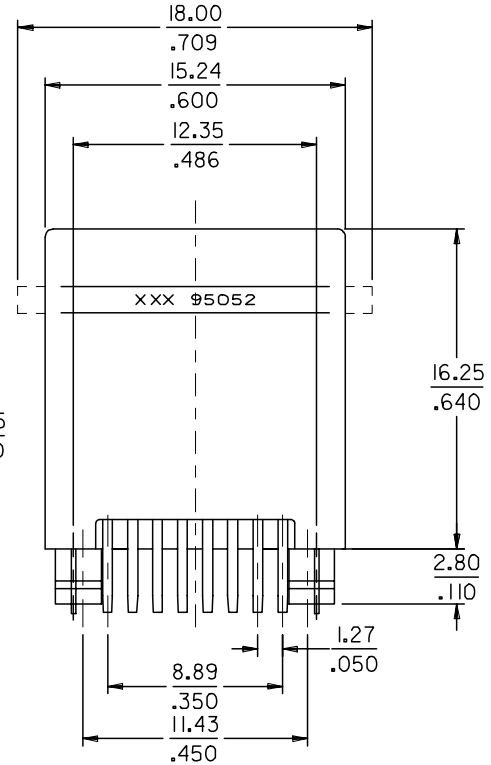
8- APPLICATION SPECIFICATION: AS-85513-001

OPTIONAL RIBS

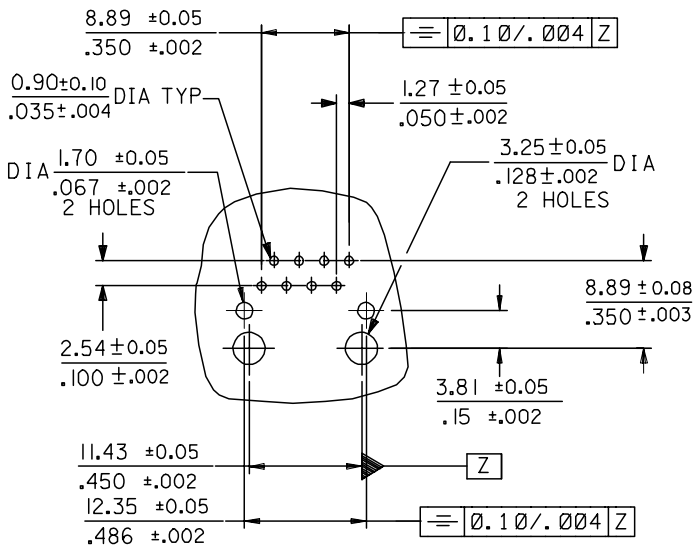


JACK WITH RIBS MATERIAL NR.: 85507-5001
JACK WITHOUT RIBS MATERIAL NR.: 85507-5002





P.C.B. MOUNTING PATTERN
(see from component side)
SCALE 2:1



ADDED NOTE. EC NO: E2007-0766	2007/04/02
DRWN: DBYRNES	2007/04/02
CHKD:	2007/04/04
APPR: EOMAHONY	
DESCRIPTION	
B	REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .006
2 PLACES	± 0.15	± .010
1 PLACE	± 0.25	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY	DATE
FB	98/08/05
CHECKED BY	DATE
FM	98/08/05
APPROVED BY	DATE
FB	98/08/05

TITLE: TOP ENTRY HIGH SPEED SHIELDED MODULAR JACK THROUGH HOLE 8 CIRCUIT

MOLEX INCORPORATED

MATERIAL NO.	DOCUMENT NO.	SHEET NO.
SEE CHART	SD-85507-501	1 OF 1

SIZE A3

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