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Part Number: [0855065001](#)
Status: **Active**
Overview: [modular_plugs_jacks](#)
Description: Modular Jack, Vertical, 8/8, Cat5E, With Ribs

Documents:

[3D Model](#) [Product Specification PS-85506-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

UL E107635

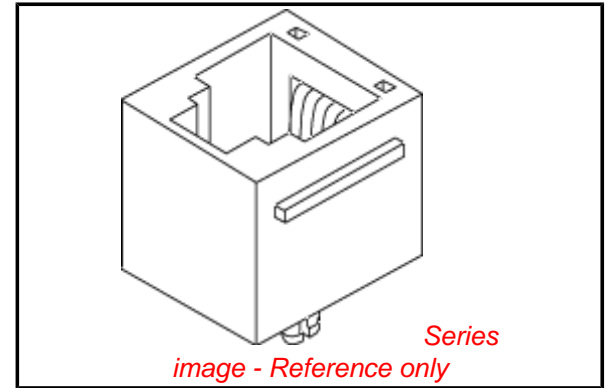
General

Product Family Modular Jacks/Plugs
 Series [85506](#)
 Component Type PCB Jack
 Magnetic No
 Overview [modular_plugs_jacks](#)
 Performance Category 5e
 Power over Ethernet (PoE) N/A
 Product Name RJ45

Physical

Boot Color N/A
 Color - Resin Black
 Durability (mating cycles max) 500
 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) 1.57 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) 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

Electrical



EU RoHS

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

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

[85506Series](#)

Mates With

[90075 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-95022
Product Specification	PS-85506-001
Sales Drawing	SD-85506-501

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-85506-001

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

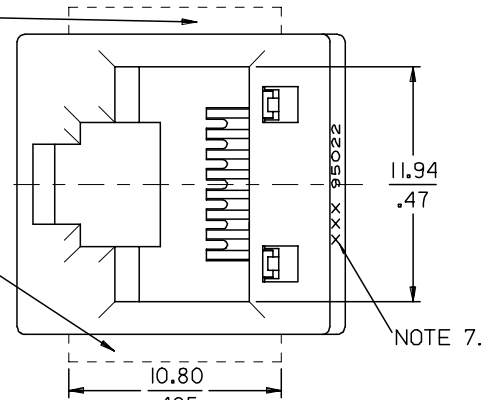
5- EXCEEDS CATEGORY 5E PERFORMANCE.

6- PC BOARD THICKNESS: 1.57/.062

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

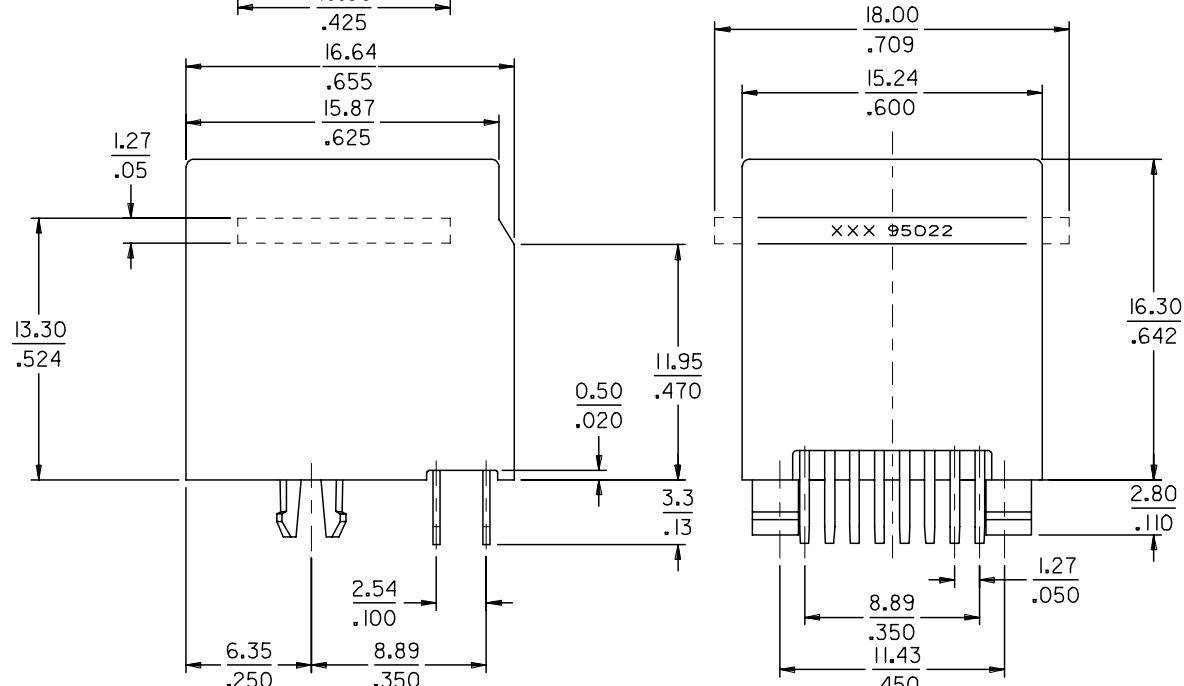
8- APPLICATION SPECIFICATION: AS-85513-001

OPTIONAL RIBS

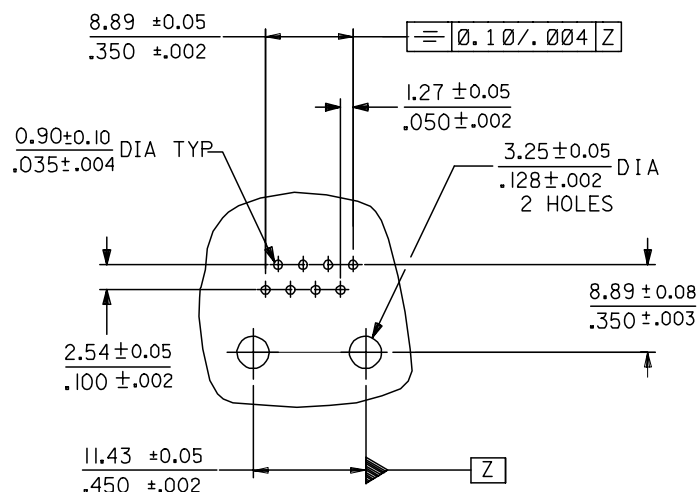


JACK WITH RIBS
MATERIAL NR.: 85506-5001

JACK WITHOUT RIBS
MATERIAL NR.: 85506-5002



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



MODIFIED NOTES EC NO: E2008-0057 DRWN: OBYRNES 2007/08/03 CHKD: 2007/08/03 APPR: EOMAHONY 2007/08/07	QUALITY SYMBOLS ▽=0 ◁=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <thead> <tr> <th></th> <th>MM</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± .006</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.15</td> <td>± .010</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.25</td> <td>± ---</td> </tr> </tbody> </table> ANGULAR ± 2 °		MM	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± .006	2 PLACES	± 0.15	± .010	1 PLACE	± 0.25	± ---	DIMENSION STYLE MM/IN	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		MM	INCH																		
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	3 PLACES	± ---	± .006																		
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DRAWN BY FB	DATE 98/02/25	TITLE HIGH SPEED MODULAR JACK HIGH PROFILE TOP ENTRY THROUGH HOLE 8 CIRCUIT		MOLEX INCORPORATED		SHEET NO. 1 OF 1															
CHECKED BY MF	DATE 1998/02/26	APPROVED BY FB		DATE 1998/02/28	DOCUMENT NO. SD-85506-501																
MATERIAL NO.	SEE CHART		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																