

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0855065002

Status:

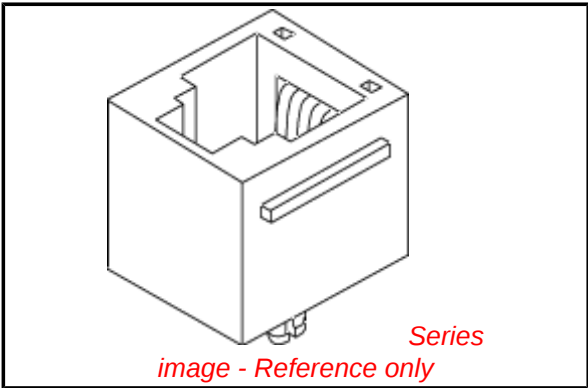
Active

Overview:

[modular_plugs_jacks](#)

Description:

Modular Jack, Vertical, 8/8, Cat5E, Without 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

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

85506Series

Mates With

90075 FCC 68 Plugs

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

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-95022
Product Specification	PS-85506-001
Sales Drawing	SD-85506-501

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I- 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.

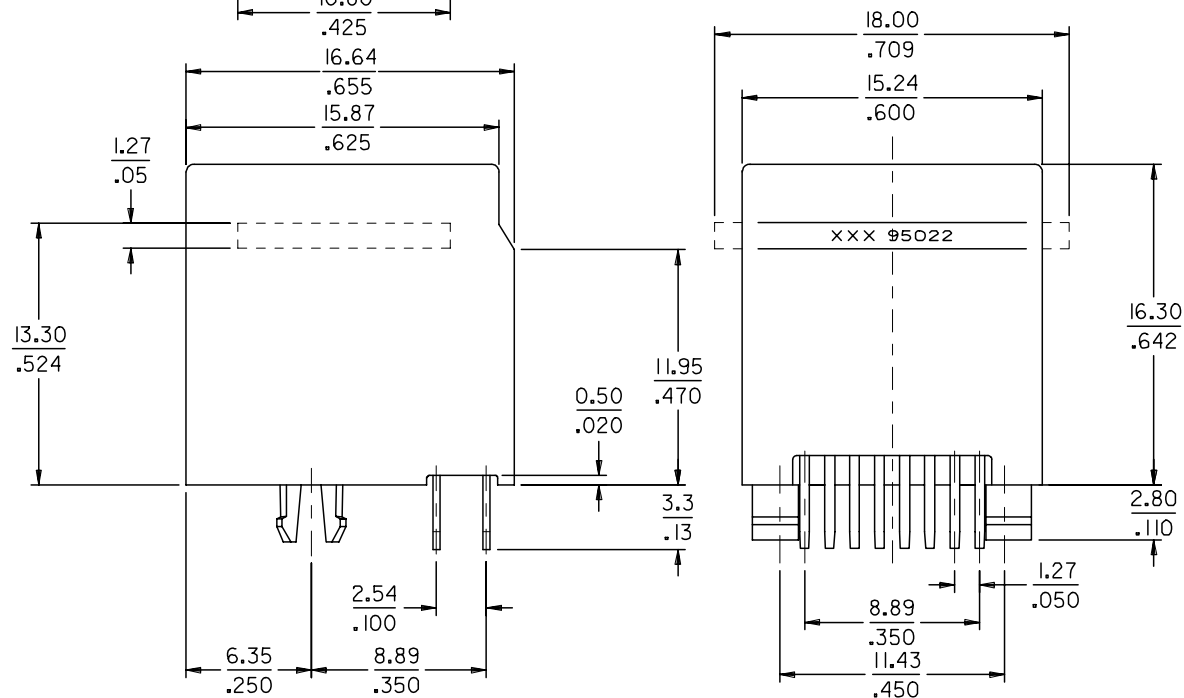
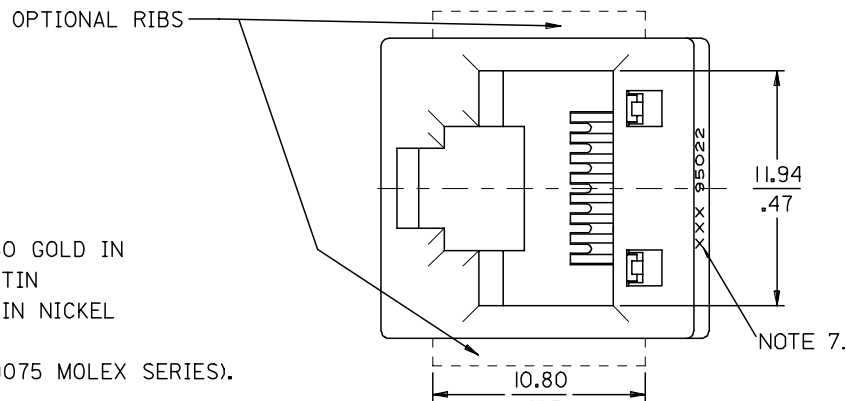
6- PC BOARD THICKNESS: 1.57/ .062

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

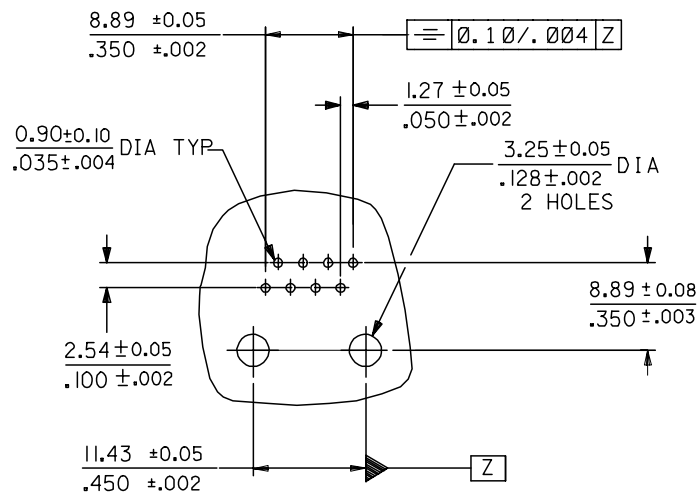
8- APPLICATION SPECIFICATION: AS-85513-001

JACK WITH RIBS
MATERIAL NR.: 85506-500 I

JACK WITHOUT RIBS
MATERIAL NR.: 85506-5002



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



SCALE 2:1

MODIFIED NOTES EC NO: E2008-0057 DRAWN:DBYRNES CHKD: APPR:EOMAHONY	2007/08/03	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	2007/08/03						TITLE	HIGH SPEED MODULAR JACK HIGH PROFILE TOP ENTRY THROUGH HOLE & CIRCUIT		
	2007/08/07									
B	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.	DOCUMENT NO. SD-85506-501	SHEET NO. 1 OF 1			
					SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				