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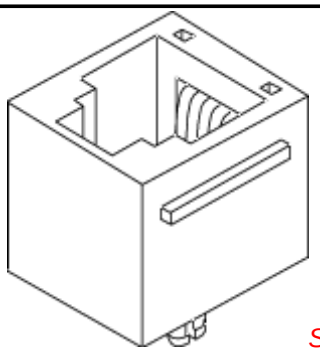
Part Number: 0855065001
Status: Active
Overview: modular_plugs_jacks
Description: Modular Jack, Vertical, 8/8, Cat5E, With Ribs



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-85506-001 (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

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

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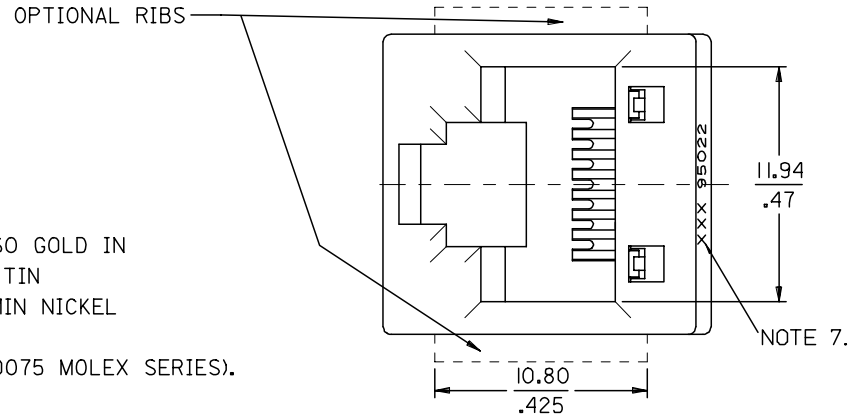
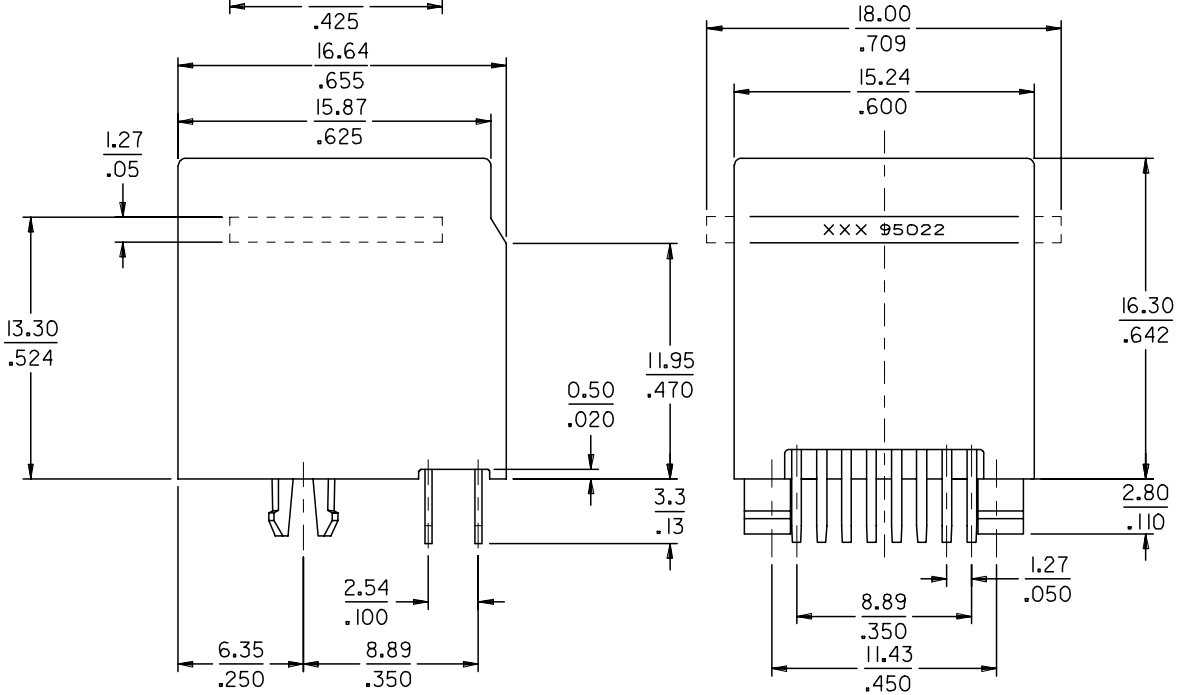
NOTES :

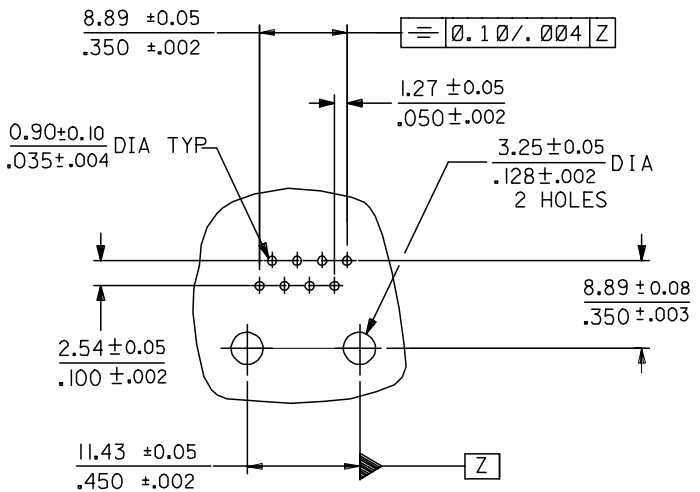
1- MATERIAL:
-HOUSING: LCP FIBER GLASS FILLED UL 94-V0
COLOR BLACK.
-TERMINAL: PHOSPHOR BRONZE.
PLATING :
POST PLATE 0.00127-0.00152/.000050-.000060 GOLD IN CONTACT AREA , 0.00190/.000075 MIN. PURE TIN IN TAIL AREA BOTH OVER 0.00127/.000050 MIN NICKEL OVERALL.
2- JACK FOR MATING WITH F.C.C. 68 PLUGS (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



JACK WITH RIBS MATERIAL NR.: 85506-5001
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	DRWN:DBYRNES	2007/08/03		
	CHKD:	2007/08/03		
	APPR:EOMAHONY	2007/08/07		
REV	B		DESCRIPTION	

QUALITY SYMBOLS
▼=0
▽C=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	MM/IN
SCALE	4:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	FB
DATE	98/02/25
CHECKED BY	MF
DATE	1998/02/26
APPROVED BY	FB
DATE	1998/02/28
MATERIAL NO.	SEE CHART
TITLE	HIGH SPEED MODULAR JACK HIGH PROFILE TOP ENTRY THROUGH HOLE 8 CIRCUIT
	molex MOLEX INCORPORATED
DOCUMENT NO.	SD-85506-501
SHEET NO.	1 OF 1
SIZE	A3

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