

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0855065001

Status:

Active

Overview:

[modular_plugs_jacks](#)

Description:

Modular Jack, Vertical, 8/8, Cat5E, With Ribs

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

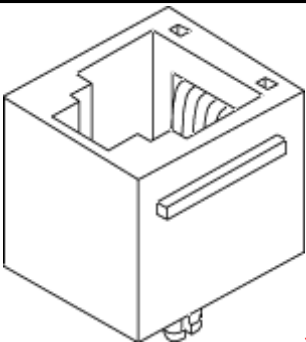
Waterproof / Dustproof

No

Wire/Cable Type

N/A

Electrical



Series
image - Reference only

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

This document was generated on 06/07/2010

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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.

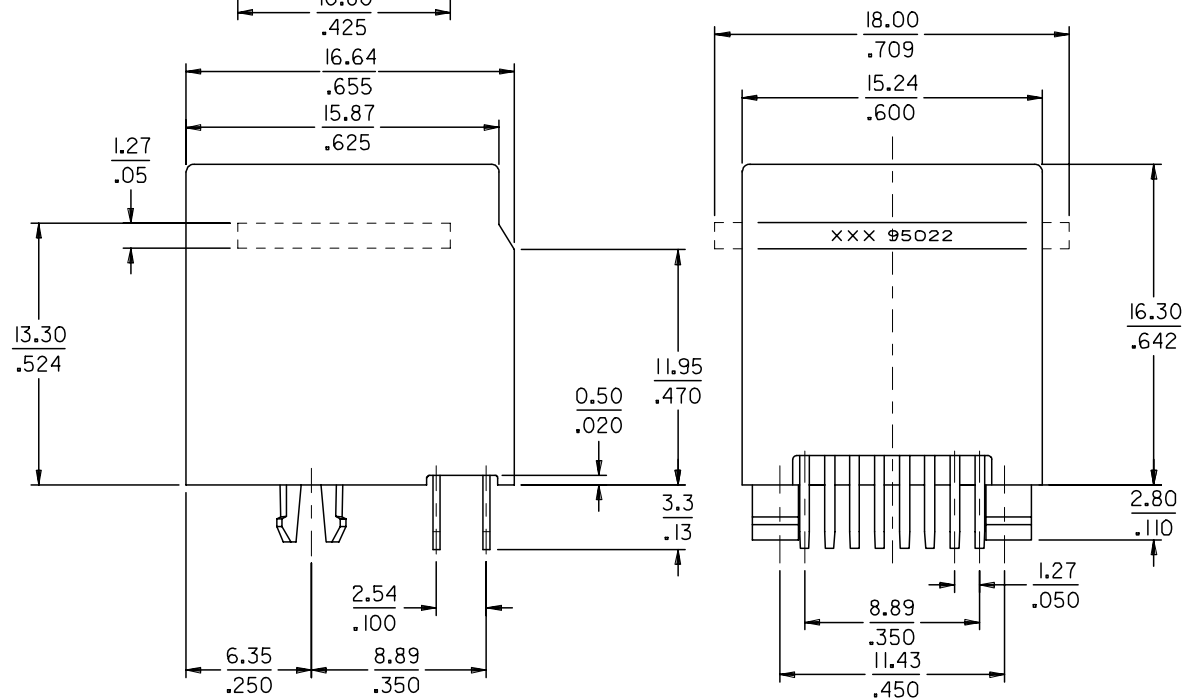
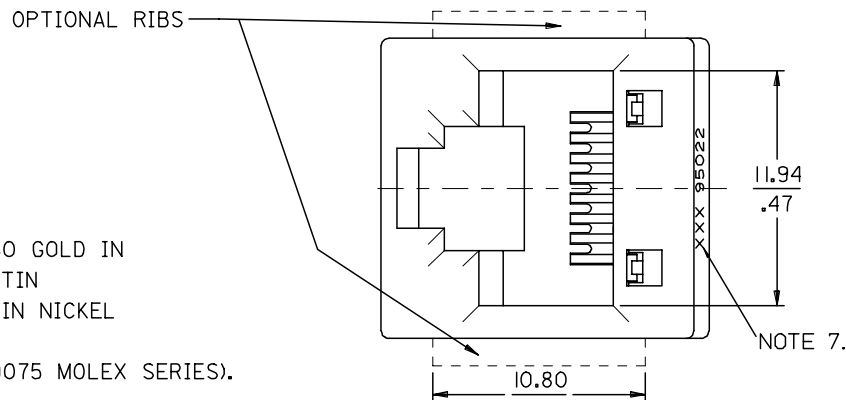
6- PC BOARD THICKNESS: 1.57/ .062

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

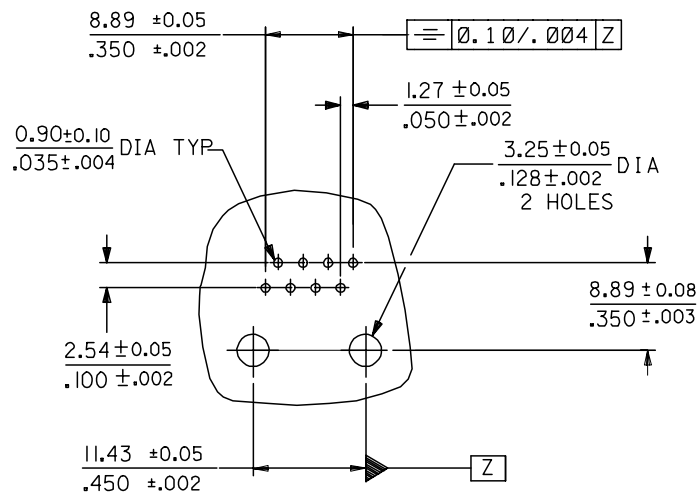
8- APPLICATION SPECIFICATION: AS-85513-001

JACK WITH RIBS
MATERIAL NR.: 85506-5001

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

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