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# 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).

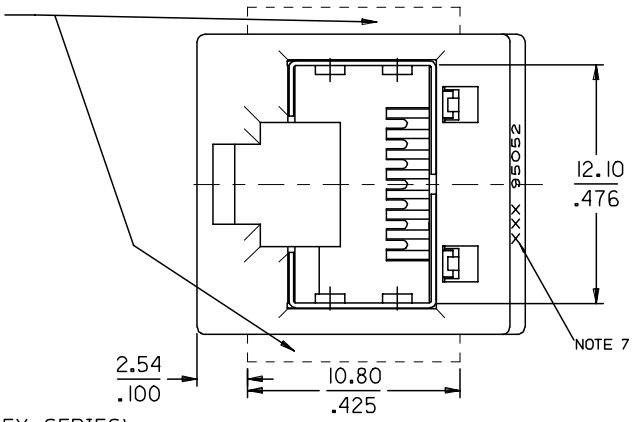
5- EXCEEDS CATEGORY 5E PERFORMANCE.

6- PC BOARD THICKNESS: 1.57/.062

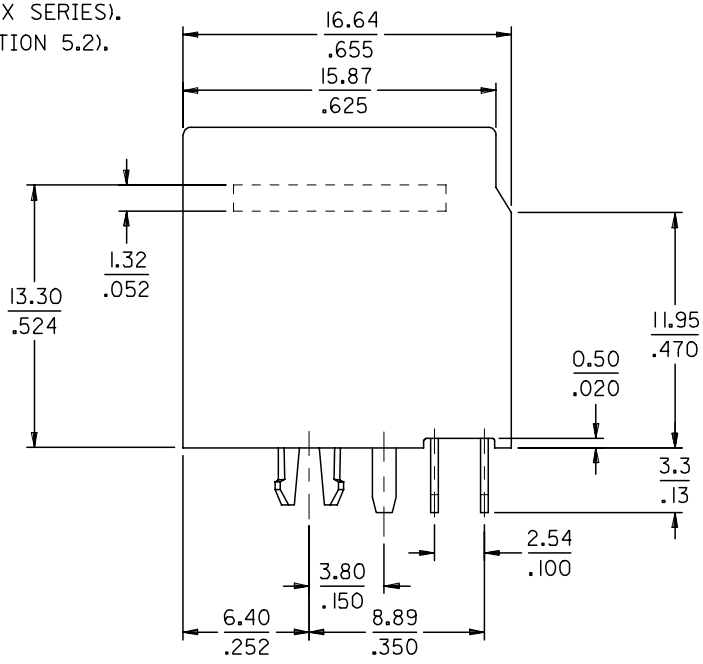
7- MANUFACTURING I.D. CAN BE MG, MXF OR MXI.

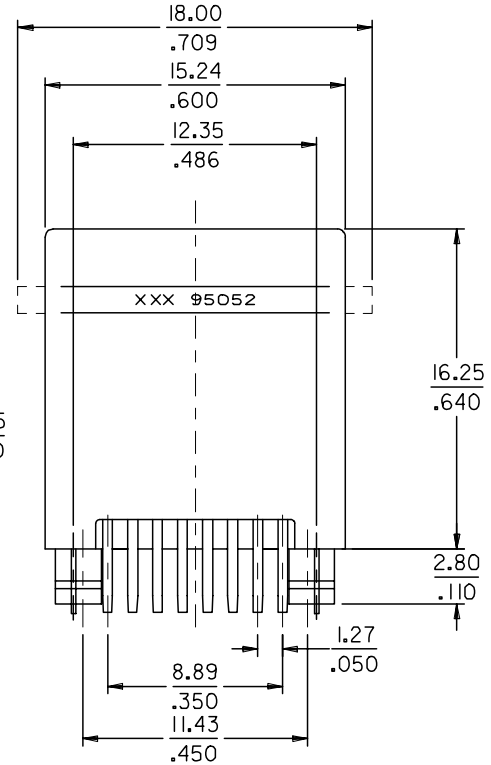
8- APPLICATION SPECIFICATION: AS-85513-001

OPTIONAL RIBS

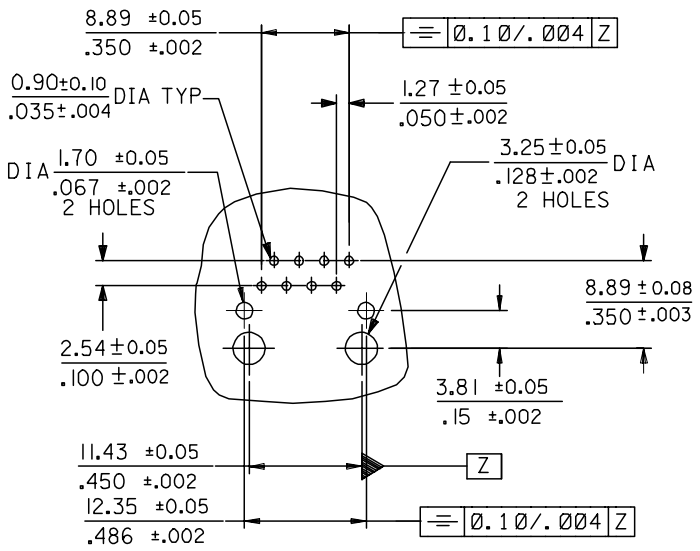



| JACK WITH RIBS<br>MATERIAL NR.: 85507-5001 |
|---|
| JACK WITHOUT RIBS<br>MATERIAL NR.: 85507-5002 |




### 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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