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Part Number:

0855135015

Status:

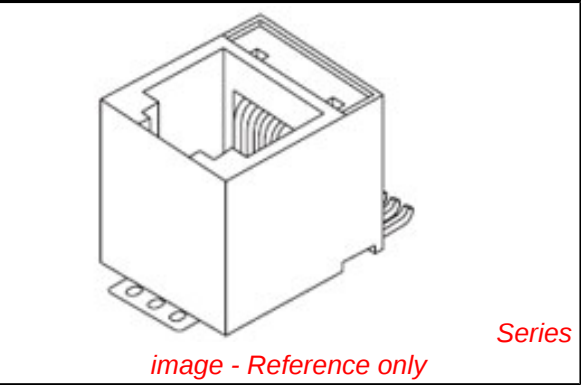
Active

Overview:

modular\_plugs\_jacks

Description:

SMT Jack for Mating with F.C.C 68 Plugs, 6/4 Circuits



|                                                 |                                                          |
|-------------------------------------------------|----------------------------------------------------------|
| Documents:                                      |                                                          |
| <a href="#">3D Model</a>                        | <a href="#">Product Specification PS-85513-002 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                   | <a href="#">RoHS Certificate of Compliance (PDF)</a>     |
| <a href="#">Application Specification (PDF)</a> |                                                          |

|                                |                                |
|--------------------------------|--------------------------------|
| Agency Certification           |                                |
| UL                             | E107635                        |
| General                        |                                |
| Product Family                 | Modular Jacks/Plugs            |
| Series                         | 85513                          |
| Comments                       | Reel size: 13"                 |
| Component Type                 | PCB Jack                       |
| Magnetic                       | No                             |
| Overview                       | modular_plugs_jacks            |
| Performance Category           | 3                              |
| Power over Ethernet (PoE)      | N/A                            |
| Product Name                   | RJ11                           |
| 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               | Brass                          |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Orientation                    | Vertical (Top Entry)           |
| PCB Locator                    | No                             |
| PCB Retention                  | Yes                            |
| Packaging Type                 | Embossed Tape on Reel          |
| Pitch - Mating Interface (in)  | 0.040 In                       |
| Pitch - Mating Interface (mm)  | 1.02 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    | 6/4                            |
| Surface Mount Compatible (SMC) | Yes                            |
| Temperature Range - Operating  | -40°C to +80°C                 |
| Termination Interface: Style   | Surface Mount                  |
| Waterproof / Dustproof         | No                             |
| Wire/Cable Type                | N/A                            |
| Electrical                     |                                |

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS

Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto: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

85513Series

Mates With

90075 series

|                               |               |
|-------------------------------|---------------|
| Current - Maximum per Contact | 1.5A          |
| Shielded                      | No            |
| Voltage - Maximum             | 125V AC (RMS) |

**Solder Process Data**

|                                                |                           |
|------------------------------------------------|---------------------------|
| Duration at Max. Process Temperature (seconds) | 45                        |
| Lead-free Process Capability                   | Reflow Capable (SMT only) |
| Max. Cycles at Max. Process Temperature        | 3                         |
| Process Temperature max. C                     | 260                       |

**Material Info**

**Reference - Drawing Numbers**

|                         |              |
|-------------------------|--------------|
| Packaging Specification | PK-85513-001 |
| Product Specification   | PS-85513-002 |
| Sales Drawing           | SD-85513-010 |

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## NOTES:

### 1- MATERIAL:

- HOUSING:LCP GLASS FILLED UL 94-V0, COLOUR BLACK,
- TERMINAL: BRASS PLATED WITH: 0.00127/.000050 MIN 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 (MOLEX 90075 SERIES).

### 3- PRODUCT SPECIFICATION: PS-85513-002.

### 4- PACKAGING SPECIFICATION (SEE CHART SHEET2):

PK-85513-001 SHEET 3 (BLISTER ON REEL 13")

PK-85513-001 SHEET 1 (BLISTER ON REEL 15")

PK-85513-001 SHEET 2 (BLISTER ON REEL 22")

### 5- FLAT SURFACE ON BOTH SIDES FOR PICK AND PLACE PURPOSE

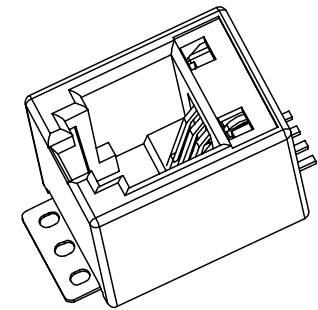
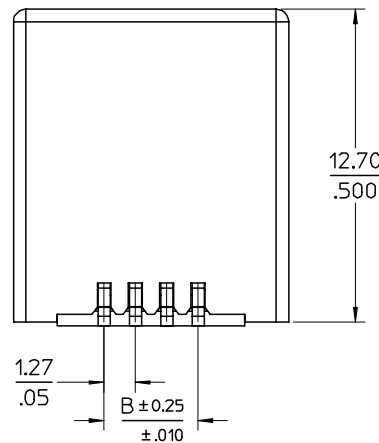
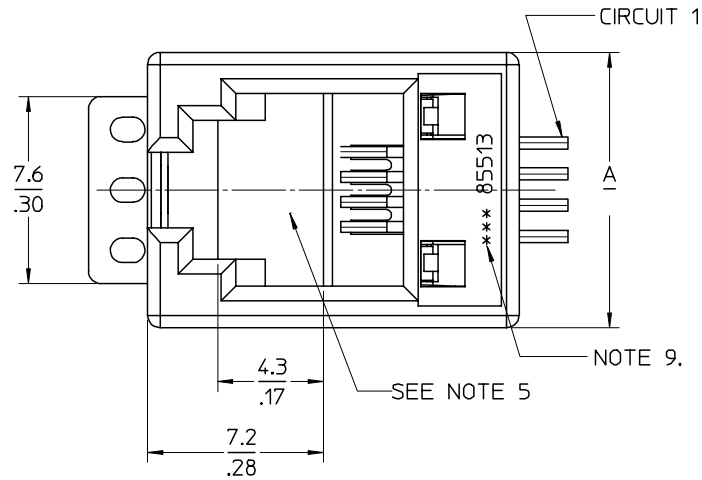
### 6- COPLANARITY OF LEADS AND TABS: 0.10/.004 MAX

### 7- SEE RECOMMENDED PCB LAYOUT ON SHEET 2

### 8- FOR DRAWING PURPOSE, ONLY 4/4 VERSION SHOWN.

### 9- MANUFACTURING I.D CAN BE EITHER MXF,MG OR MXI.

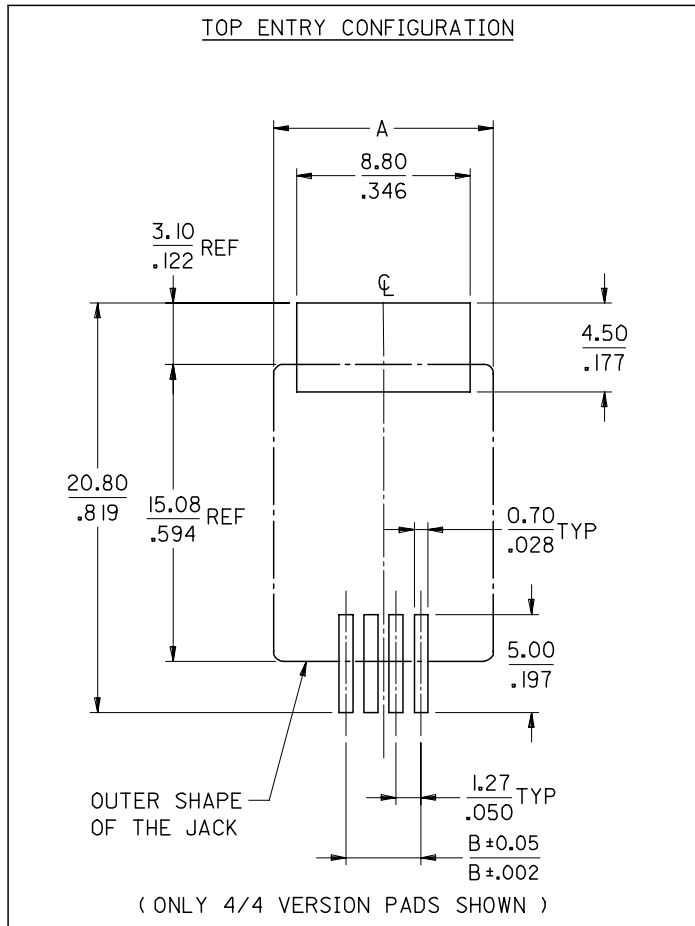
### 10- APPLICATION SPEC AS-85513-001



ISOMETRIC VIEW  
(NOT SCALED)

|                                                                                   |                                                      |                                   |             |                                                            |        |                          |             |                                                                                                                               |                        |                                                                           |  |
|-----------------------------------------------------------------------------------|------------------------------------------------------|-----------------------------------|-------------|------------------------------------------------------------|--------|--------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------|--|
| MODIFIED MATERIAL.<br>EC NO: E2007-0716<br>DRWN:DBYRNES<br>CHKD:<br>APPR:EOMAHONY | 2007/02/15<br>2007/02/15<br>2007/02/15<br>2007/02/15 | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |        | DIMENSION STYLE<br>MM/IN |             | SCALE<br>5:1                                                                                                                  | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION                                                    |  |
|                                                                                   |                                                      |                                   |             |                                                            |        |                          |             | TITLE                                                                                                                         |                        | LOW PROFILE TOP ENTRY<br>TRUE SMT JACK WITH P&P<br>SURFACE(SHORT VERSION) |  |
|                                                                                   |                                                      |                                   |             | 4 PLACES                                                   | ± ---  | ± ---                    | DRAWN BY    | DATE                                                                                                                          |                        |                                                                           |  |
|                                                                                   |                                                      |                                   |             | 3 PLACES                                                   | ± ---  | ±.006                    | CHECKED BY  | DATE                                                                                                                          |                        |                                                                           |  |
|                                                                                   |                                                      |                                   |             | 2 PLACES                                                   | ± 0.15 | ±.010                    | EOMAHONY    | 2006/08/17                                                                                                                    |                        |                                                                           |  |
|                                                                                   |                                                      |                                   |             | 1 PLACE                                                    | ± 0.25 | ± ---                    | APPROVED BY | DATE                                                                                                                          |                        |                                                                           |  |
|                                                                                   |                                                      |                                   |             | ANGULAR ± 2 °                                              |        | EOMAHONY                 | 2006/08/17  | MOLEX INCORPORATED                                                                                                            |                        |                                                                           |  |
|                                                                                   |                                                      |                                   |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        | MATERIAL NO.             |             | DOCUMENT NO.                                                                                                                  |                        | SHEET NO.                                                                 |  |
|                                                                                   |                                                      |                                   |             |                                                            |        | SEE CHART                |             | SD-85513-010                                                                                                                  |                        | 1 OF 2                                                                    |  |
|                                                                                   |                                                      |                                   |             |                                                            |        | SIZE<br>A3               |             | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                                                                           |  |

RECOMMENDED PCB LAYOUTS  
( SEE FROM COMPONENT SIDE )



| PART. NO.  | HOUSING SIZE | LOADED CKTS | TOOLED | A             | B            | PACKAGING           | PACKAGING SPEC.      |
|------------|--------------|-------------|--------|---------------|--------------|---------------------|----------------------|
| 85513-5013 | 8            | 8           | YES    | 15.24<br>.600 | 8.89<br>.350 | BLISTER ON REEL 13" | PK-85513-001 SHEET 3 |
| 85513-5001 |              |             | YES    |               |              | BLISTER ON REEL 15" | PK-85513-001 SHEET 1 |
| 85513-5009 |              |             | YES    |               |              | BLISTER ON REEL 22" | PK-85513-001 SHEET 2 |
| 85513-5014 | 6            | 6           | YES    | 13.21<br>.520 | 6.35<br>.250 | BLISTER ON REEL 13" | PK-85513-001 SHEET 3 |
| 85513-5002 |              |             | YES    |               |              | BLISTER ON REEL 15" | PK-85513-001 SHEET 1 |
| 85513-5010 |              |             | YES    |               |              | BLISTER ON REEL 22" | PK-85513-001 SHEET 2 |
| 85513-5015 | 6            | 4           | YES    | 13.21<br>.520 | 3.81<br>.150 | BLISTER ON REEL 13" | PK-85513-001 SHEET 3 |
| 85513-5003 |              |             | YES    |               |              | BLISTER ON REEL 15" | PK-85513-001 SHEET 1 |
| 85513-5011 |              |             | YES    |               |              | BLISTER ON REEL 22" | PK-85513-001 SHEET 2 |
| 85513-5016 | 4            | 4           | YES    | 11.18<br>.440 | 3.81<br>.150 | BLISTER ON REEL 13" | PK-85513-001 SHEET 3 |
| 85513-5004 |              |             | YES    |               |              | BLISTER ON REEL 15" | PK-85513-001 SHEET 1 |
| 85513-5012 |              |             | YES    |               |              | BLISTER ON REEL 22" | PK-85513-001 SHEET 2 |

|                                                                                                                      |                               |                                                                                                                                                                      |                                                                                                                                                                      |                                                                  |                                                                                                          |                                                     |
|----------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| SEE SHEET 1<br>EC NO: E2007-0716<br>2007/02/15<br>DRWN:DBYRNES<br>CHKD:<br>2007/02/15<br>APPR:EOMAHONY<br>2007/02/15 | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± .006<br>2 PLACES ± 0.15 ± .010<br>1 PLACE ± 0.25 ± ---<br>ANGULAR ± 2 ° | DIMENSION STYLE<br>MM/IN<br>DRAWN BY DATE<br>DBYRNES 2006/08/17<br>CHECKED BY DATE<br>EOMAHONY 2006/08/17<br>APPROVED BY DATE<br>EOMAHONY 2006/08/17<br>MATERIAL NO. | SCALE<br>1:1<br>DESIGN UNITS<br>METRIC<br>THIRD ANGLE PROJECTION | TITLE<br>LOW PROFILE TOP ENTRY<br>TRUE SMT JACK WITH P&P<br>SURFACE(SHORT VERSION)<br>MOLEX INCORPORATED | DOCUMENT NO.<br>SD-85513-010<br>SHEET NO.<br>2 OF 2 |
|                                                                                                                      |                               |                                                                                                                                                                      |                                                                                                                                                                      |                                                                  |                                                                                                          |                                                     |
|                                                                                                                      |                               |                                                                                                                                                                      |                                                                                                                                                                      |                                                                  |                                                                                                          |                                                     |
|                                                                                                                      |                               |                                                                                                                                                                      |                                                                                                                                                                      |                                                                  |                                                                                                          |                                                     |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                           |                               |                                                                                                                                                                      | SEE CHART                                                                                                                                                            |                                                                  |                                                                                                          |                                                     |

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

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- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
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- Защиту от снятия компонента с производства.
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