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Part Number: [0855135003](#)
Status: **Active**
Overview: [modular_plugs_jacks](#)
Description: SMT Jack for Mating with F.C.C 68 Plugs, 6/4 Circuits

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Application Specification \(PDF\)](#)
[Product Specification PS-85513-002 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

UL E107635

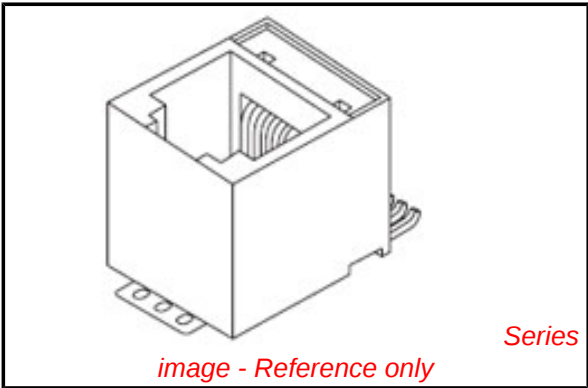
General

Product Family Modular Jacks/Plugs
Series [85513](#)
Comments Reel size:15"
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
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

This document was generated on 06/08/2010

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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

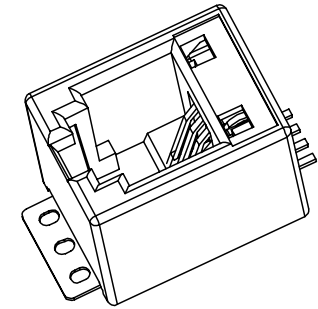
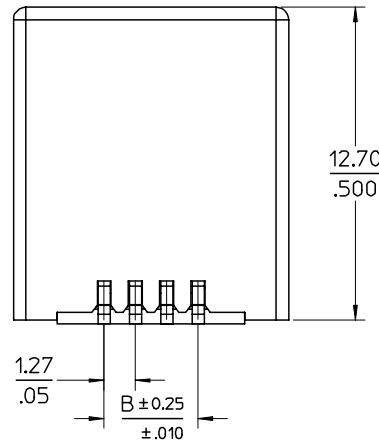
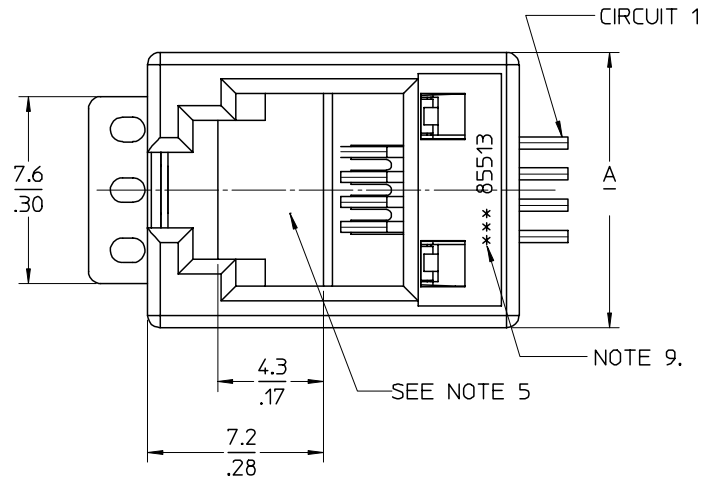
6- COPLANARITY OF LEADS AND TABS: 0.10/.004 MAX

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.

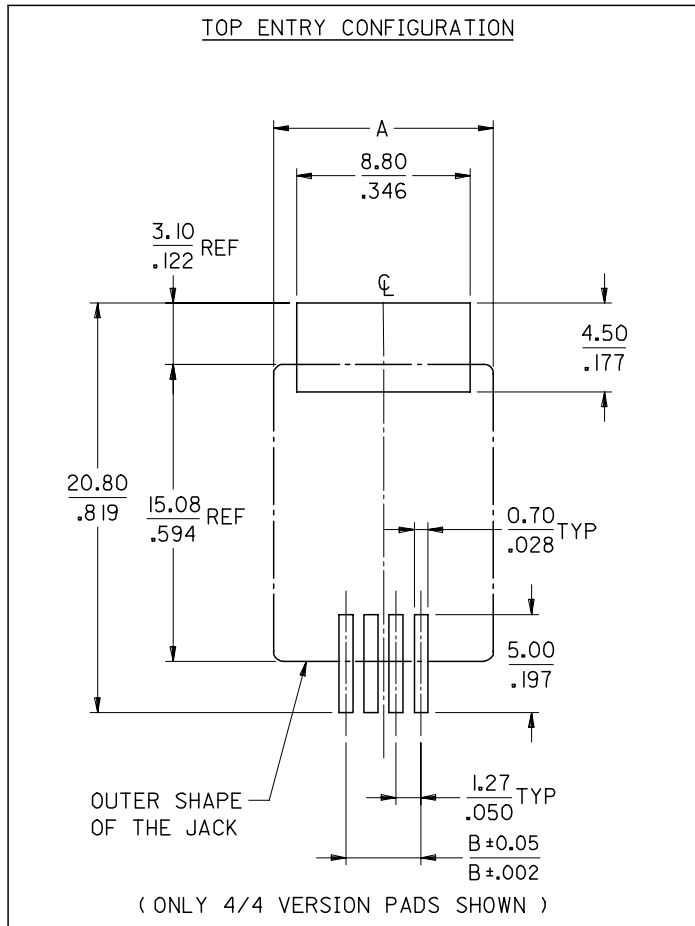
10- APPLICATION SPEC AS-85513-001



ISOMETRIC VIEW
(NOT SCALED)

MODIFIED MATERIAL. EC NO: E2007-0716 DRWN:DBYRNES CHKD: APPR:EOMAHONY	2007/02/15 2007/02/15 2007/02/15	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
								TITLE		LOW PROFILE TOP ENTRY TRUE SMT JACK WITH P&P SURFACE(SHORT VERSION) MOLEX INCORPORATED		
				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					
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
						SEE CHART		SD-85513-010		1 OF 2		
						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 .600	8.89 .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 .520	6.35 .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 .520	3.81 .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 .440	3.81 .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 EC NO: E2007-0716 DRWN: DBYRNES CHKD: APPR: EOMAHONY	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
					DRAWN BY	DATE	TITLE LOW PROFILE TOP ENTRY TRUE SMT JACK WITH P&P SURFACE(SHORT VERSION)					
					CHECKED BY	DATE						
					APPROVED BY	DATE						
			1 PLACE ±0.25 ±---		EOMAHONY		2006/08/17	MOLEX MOLEX INCORPORATED				
			ANGULAR ± 2 °		MATERIAL NO.		DOCUMENT NO.					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-85513-010		2 OF 2						
		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								