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Part Number:

0855135013

Status:

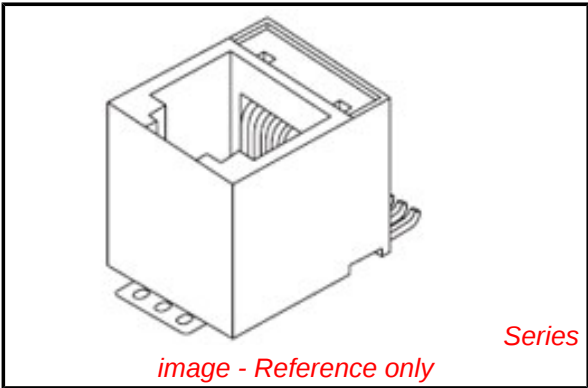
Active

Overview:

modular_plugs_jacks

Description:

SMT Jack for Mating with F.C.C 68 Plugs, 8 Circuits



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

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	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	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	8/8
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

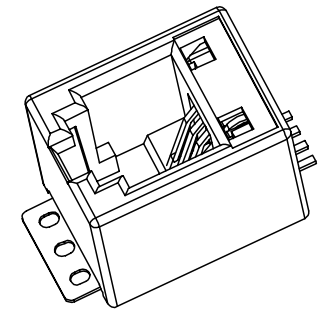
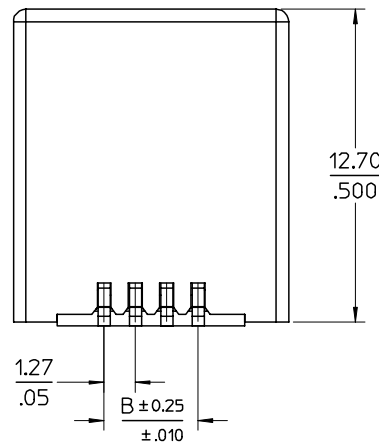
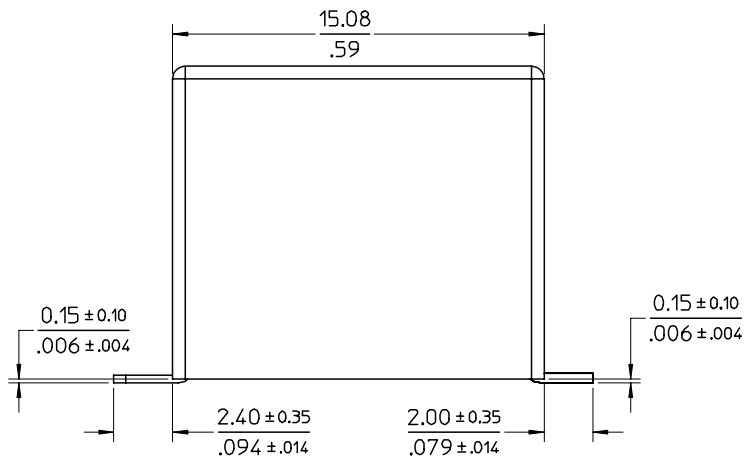
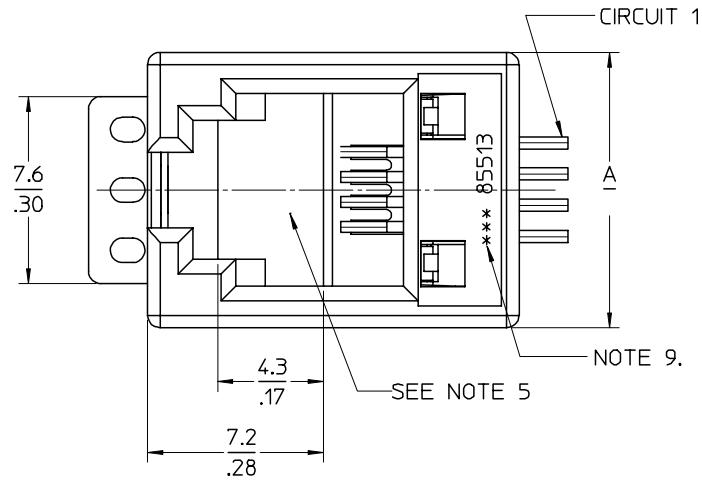
6- COPLANARITY OF LEADS AND TABS: 0.10/.004 MAX

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.

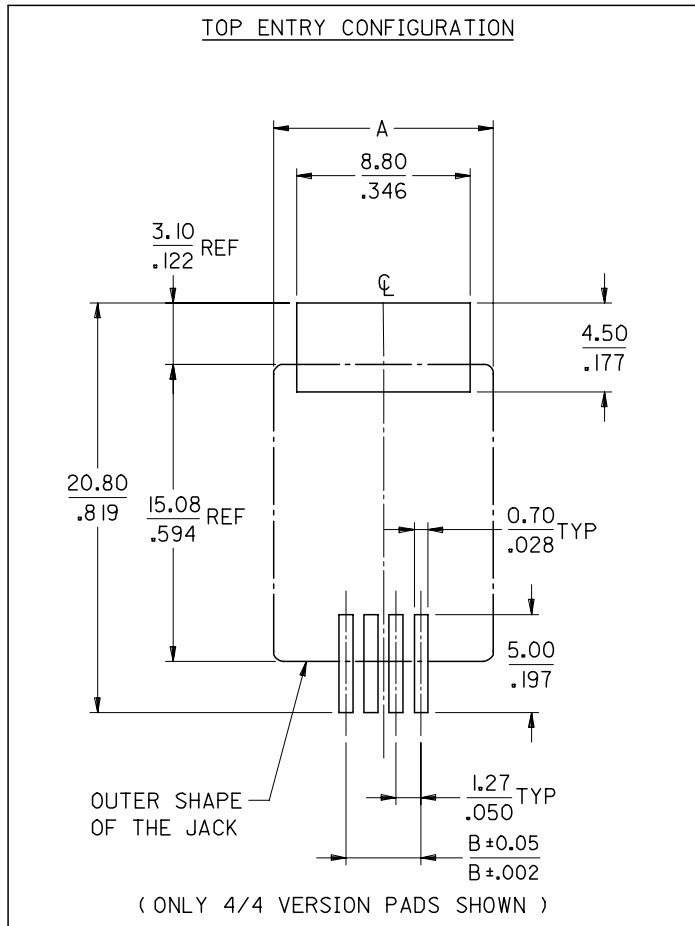
10- APPLICATION SPEC AS-85513-001



ISOMETRIC VIEW
(NOT SCALED)

MODIFIED MATERIAL. EC NO: E2007-0716 DRWN:DBYRNES 2007/02/15 CHKD: 2007/02/15 APPR:EOMAHONY 2007/02/15	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM/IN		SCALE 5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
			mm		INCH		DRAWN BY	DATE	TITLE LOW PROFILE TOP ENTRY TRUE SMT JACK WITH P&P SURFACE(SHORT VERSION)			
			4 PLACES	± ---	± ---	DBYRNES	2006/08/17					
			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 MUST REMAIN WITHIN DIMENSIONS				MATERIAL NO.		DOCUMENT NO.			SHEET NO.
							SEE CHART		SD-85513-010			1 OF 2
							SIZE 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 .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	DESCRIPTION
EC NO: E2007-0716	2007/02/15
DRWN:DBYRNES	2007/02/15
CHKD:	2007/02/15
APPR:EOMAHONY	2007/02/15
REV	

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