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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0855135014
Status: Active
Description: SMT Jack for Mating with F.C.C 68 Plugs, 6 Circuits

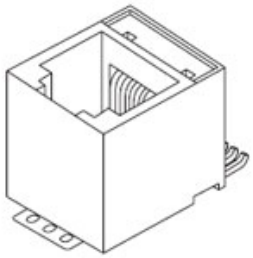

image - Reference only

Series

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: 13"
Component Type	PCB Jack
Magnetic	No
Performance Category	3
Power over Ethernet (PoE)	N/A
Product Name	RJ12

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	6/6
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

Current - Maximum per Contact	1.5A
Shielded	No

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

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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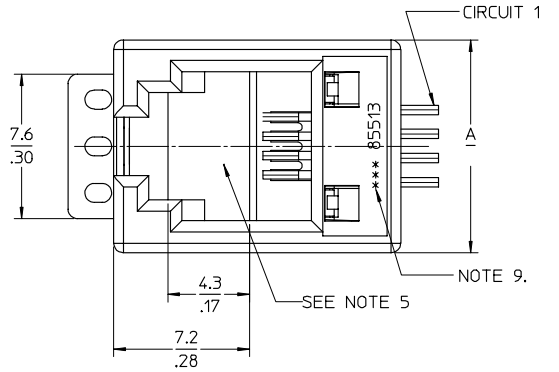
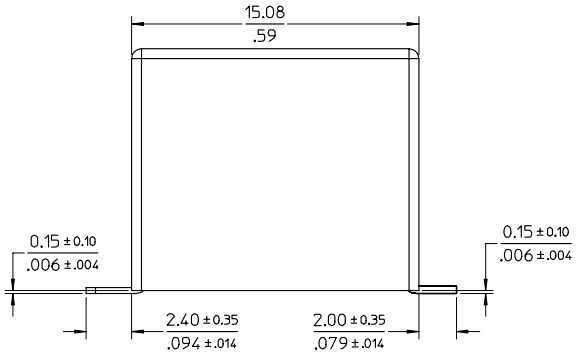
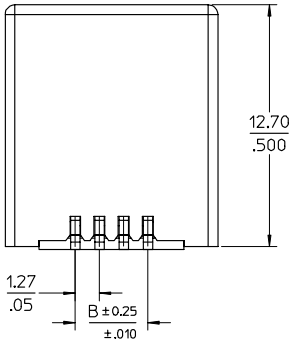
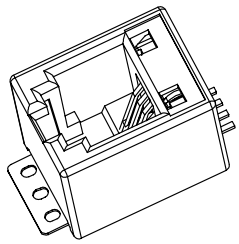
NOTES:

1- MATERIAL:
-HOUSING:LCP GLASS FILLED UL 94-VO, 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- MANUFACRURING I.D CAN BE EITHER MXF,MG OR MXI.
10- APPLICATION SPEC AS-85513-001







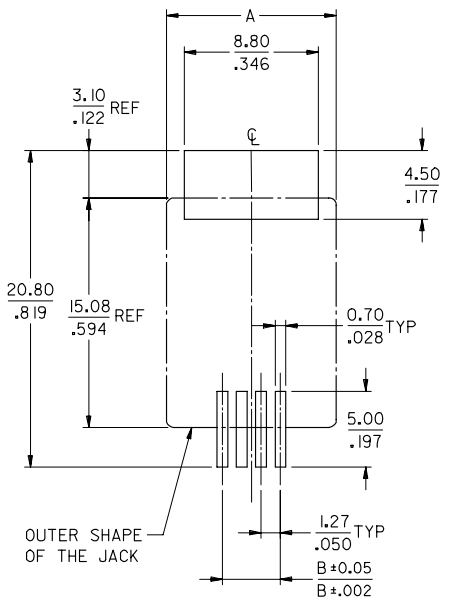


ISOMETRIC VIEW
(NOT SCALED)

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

RECOMMENDED PCB LAYOUTS
(SEE FROM COMPONENT SIDE)

TOP ENTRY CONFIGURATION



(ONLY 4/4 VERSION PADS SHOWN)

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 2007/02/15
CH'KD: 2007/02/15
APPR:EOMAHONY 2007/02/15
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: MM/IN
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: DBYRNES DATE: 2006/08/17
CHECKED BY: EOMAHONY DATE: 2006/08/17
APPROVED BY: EOMAHONY DATE: 2006/08/17

TITLE: LOW PROFILE TOP ENTRY TRUE SMT JACK WITH P&P SURFACE(SHORT VERSION)

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-85513-010
SHEET NO.: 2 OF 2
SIZE: A3