

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0855135010

Status:

Active

Description:

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

Series

Comments

Component Type

Magnetic

Performance Category

Power over Ethernet (PoE)

Product Name

Modular Jacks/Plugs

85513

Reel size: 22"

PCB Jack

No

3

N/A

RJ12

Physical

Boot Color

Color - Resin

Durability (mating cycles max)

Flammability

Inverted / Top Latch

Lightpipes/LEDs

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Orientation

PCB Locator

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Ports

Positions / Loaded Contacts

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

Waterproof / Dustproof

Wire/Cable Type

N/A

Black

500

94V-0

No

None

Brass

Gold

Tin

High Temperature Thermoplastic

Vertical (Top Entry)

No

Yes

Embossed Tape on Reel

0.040 In

1.02 mm

0.050 In

1.27 mm

50.8

1.27

76

1.9

1

6/6

Yes

-40°C to +80°C

Surface Mount

No

N/A

Electrical

Current - Maximum per Contact

Shielded

1.5A

No

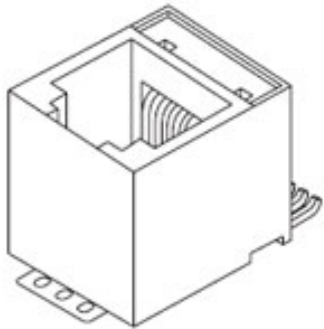


image - Reference only

Series

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

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

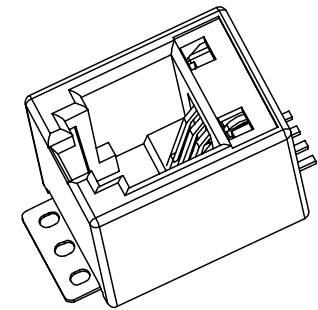
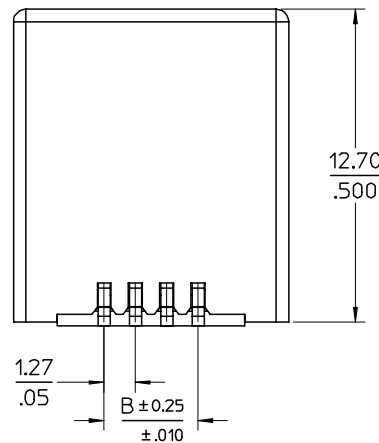
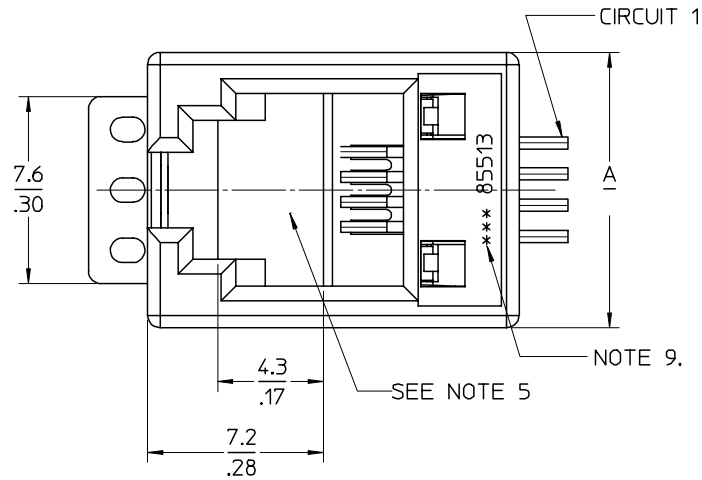
6- COPLANARITY OF LEADS AND TABS: 0.10/.004 MAX

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.

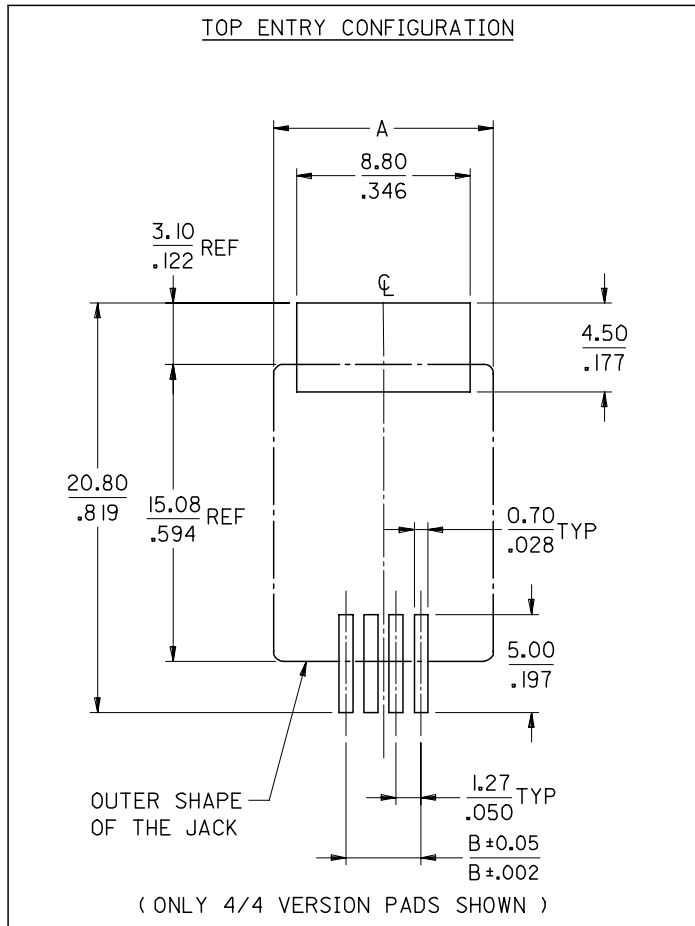
10- APPLICATION SPEC AS-85513-001



ISOMETRIC VIEW
(NOT SCALED)

MODIFIED MATERIAL. EC NO: E2007-0716 DRWN:DBYRNES CHKD: APPR:EOMAHONY	2007/02/15 2007/02/15 2007/02/15 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
2007/02/15
DRWN:DBYRNES
2007/02/15
CHKD:
2007/02/15
APPR:EOMAHONY
2007/02/15

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

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

MATERIAL NO.
SEE CHART

SCALE
1:1

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

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

MOLEX INCORPORATED

DOCUMENT NO.
SD-85513-010

SHEET NO.
2 OF 2

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