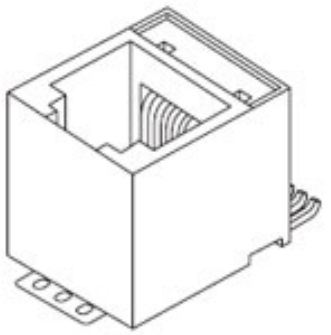
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0855135013
Status: Active
Overview: modular_plugs_jacks
Description: SMT Jack for Mating with F.C.C 68 Plugs, 8 Circuits



Series image - Reference only

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
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

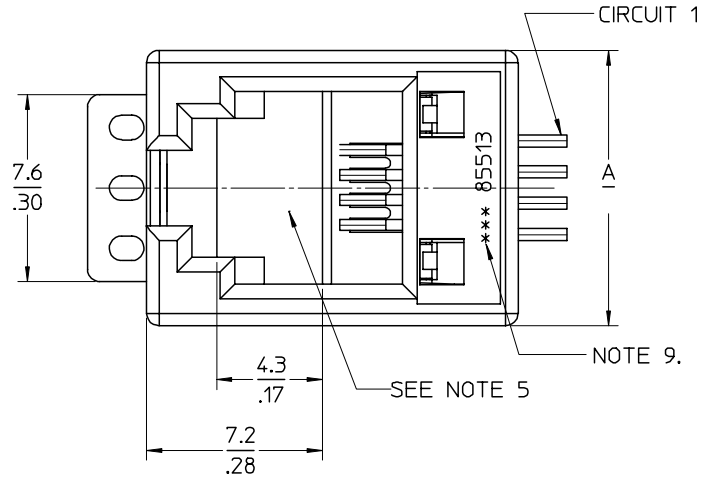
Packaging Specification	PK-85513-001
Product Specification	PS-85513-002
Sales Drawing	SD-85513-010

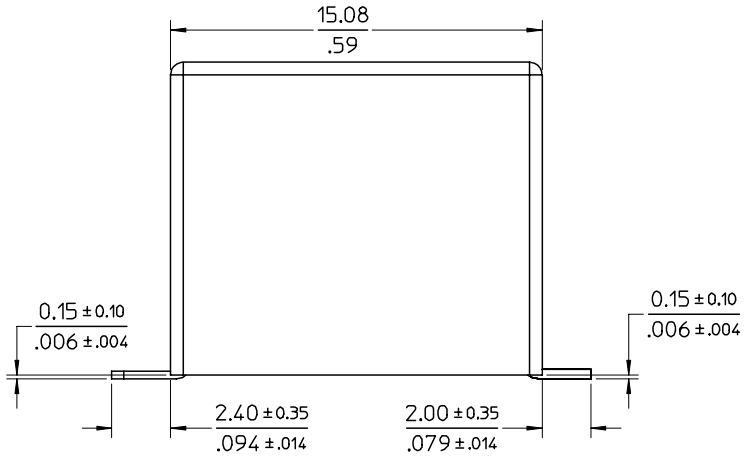
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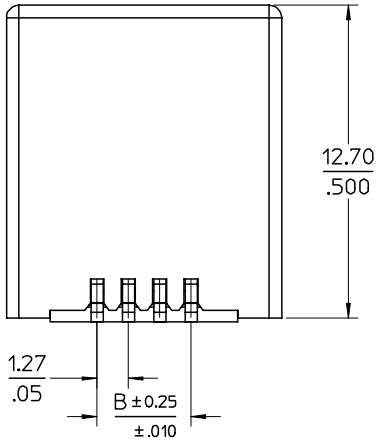
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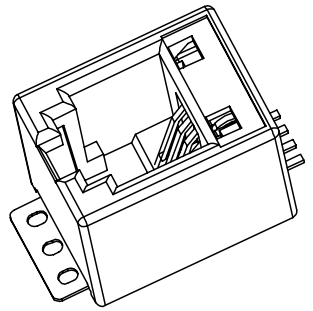
NOTES:

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	DRWN:DBYRNES	2007/02/15	CHKD:		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	5:1
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
MATERIAL NO.	SEE CHART
DOCUMENT NO.	SD-85513-010
SHEET NO.	1 OF 2
SIZE	A3

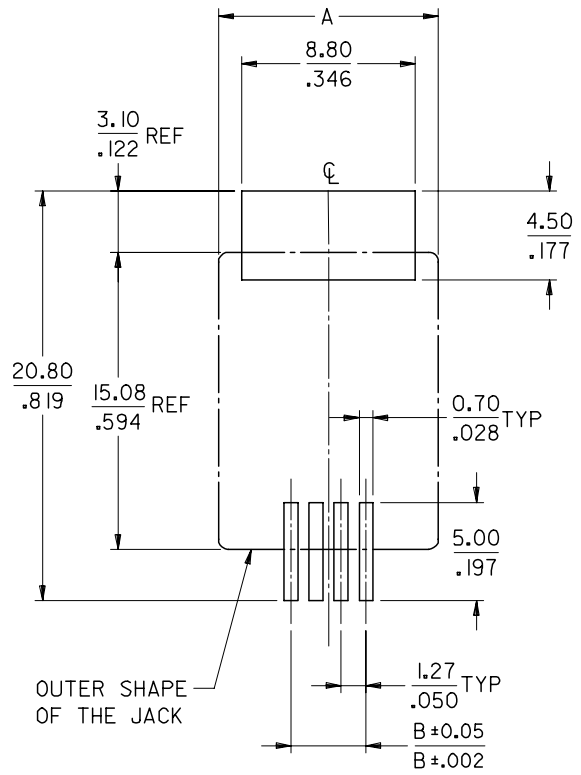
TITLE: LOW PROFILE TOP ENTRY TRUE SMT JACK WITH P&P SURFACE(SHORT VERSION)

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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 2007/02/15
DRWN: DBYRNES 2007/02/15
CHKD:
APPR: EOMAHONY 2007/02/15
DESCRIPTION
REV B

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
MATERIAL NO.: SEE CHART

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

molex MOLEX INCORPORATED

DOCUMENT NO.: SD-85513-010
SHEET NO.: 2 OF 2

SIZE A3

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Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:
moschip.ru
moschip.ru_4
moschip.ru_6
moschip.ru_9