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Part Number: [0855105017](#)
Status: **Active**
Overview: [modular_plugs_jacks](#)
Description: Modular Jack, Vertical, SMT, 4/4, Solder Tabs

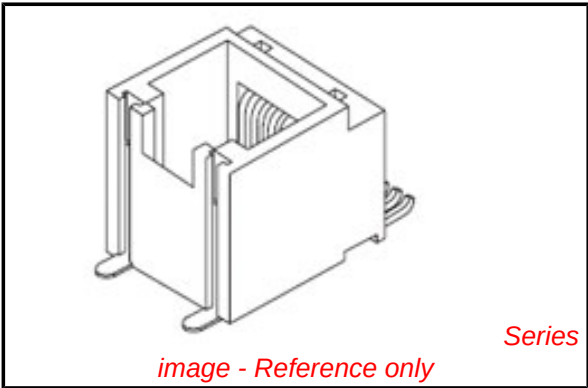
Documents:
[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

Agency Certification
UL E107635

General
Product Family Modular Jacks/Plugs
Series [85510](#)
Comments Small Panel Cutout
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) 1,000
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) 120.00, 50.8
Plating min: Mating (µm) 1.27, 3.000
Plating min: Termination (µin) 120.00, 76
Plating min: Termination (µm) 1.9, 3.00
Ports 1
Positions / Loaded Contacts 4/4
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
Current - Maximum per Contact 1.5A



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Halogen-Free

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
[85510Series](#)

Mates With
FCC 68 Plugs

Shielded	No
Voltage - Maximum	125V DC

Solder Process Data

Duration at Max. Process Temperature (seconds)	40
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

Application Specification	AS-85513-001
Packaging Specification	PK-85510
Sales Drawing	SD-85510-002

This document was generated on 06/07/2010

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10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

E

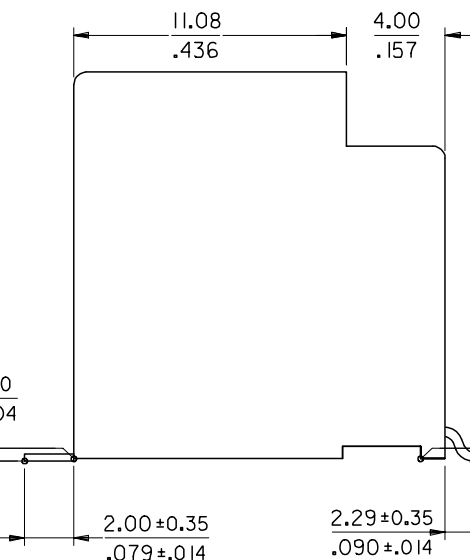
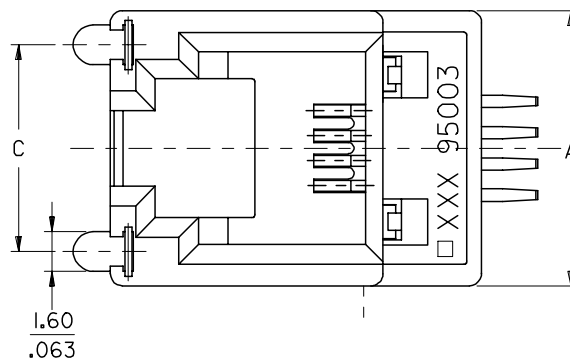
D

C

B

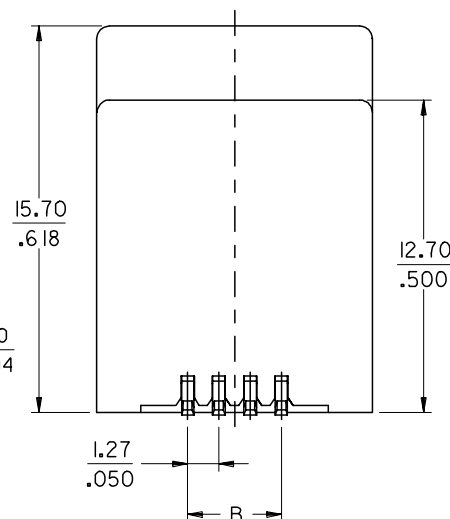
A

PART. NO.	HOUSING SIZE	LOADED CKTS	TOOLED	PACKAGING	A	B ± 0.15 $\pm .006$	C
85510-5003	8	8	YES	TAPE	15.24 .600	8.89 .350	10.77 .424
85510-5020	8	8	YES	BLISTER ON REEL 13"			
85510-5028	8	8	YES	BLISTER ON REEL 22"			
85510-5005	6	6	YES	TAPE	13.21 .520	6.35 .250	9.95 .392
85510-5019	6	6	YES	BLISTER ON REEL 13"			
85510-5027	6	6	YES	BLISTER ON REEL 22"			
85510-5013	6	4	NO	TAPE	13.21 .520	3.81 .150	9.95 .392
85510-5018	6	4	NO	BLISTER ON REEL 13"			
85510-5026	6	4	YES	BLISTER ON REEL 22"			
85510-5007	4	4	YES	TAPE	11.18 .440	3.81 .150	8.40 .331
85510-5017	4	4	YES	BLISTER ON REEL 13"			
85510-5025	4	4	YES	BLISTER ON REEL 22"			



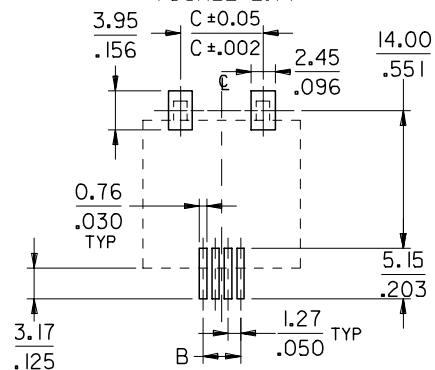
NOTES:

- MATERIAL:
 - HOUSING: LCP FIBER GLASS FILLED UL 94-V0, COLOR 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.
 - SOLDER NAILS: BRASS PRE-PLATED WITH 0.0020/.000078 MIN TIN
- JACK FOR MATING WITH F.C.C.68 PLUGS (MOLEX 95075 SERIES).
- PRODUCT SPECIFICATION PS-95503-001.
- APPLICATION SPECIFICATION: AS-85513-001
- PACKAGING SPECIFICATION: PK-85510
 - SHEET 1 (TAPE ON REEL)
 - SHEET 2 (BLISTER ON REEL 13")
 - SHEET 3 (BLISTER ON REEL 22")
- COPLANARITY OF SIGNAL LEADS: 0.10 MAX
- MANUFACTURING I.D CAN BE EITHER MG, MXF OR MXL.



PCB MOUNTING PATTERNS

(SEE FROM COMPONENT SIDE)
(SCALE 2:1)



(ONLY 4/4 VERSION PADS SHOWN)

CORRECTED TERM MATL EC NO: E2008-0031 DRWN:DBYRNES CHKD: APPR:EOMAHONY	2007/07/23	2007/07/23	2007/07/26
	2007/07/23	2007/07/23	2007/07/26
	2007/07/23	2007/07/23	2007/07/26
	2007/07/23	2007/07/23	2007/07/26
B	REV	DESCRIPTION	

QUALITY SYMBOLS
$\nabla=0$
$\nabla=0$

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	$\pm$ ---	$\pm$ ---
3 PLACES	$\pm$ ---	$\pm .006$
2 PLACES	± 0.15	$\pm .010$
1 PLACE	± 0.25	$\pm$ ---
ANGULAR $\pm 2^\circ$		

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE

MM/IN	DATE
DRAWN BY	95/11/21
CHECKED BY	DATE
APPROVED BY	DATE
FB	95/11/21

MATERIAL NO.

SIZE
A3

SCALE
5:1

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

TITLE

TOP ENTRY SMT JACKS
4/4 6/6 AND 8/8 POS.
WITH SOLDER NAILS

MOLEX INCORPORATED

DOCUMENT NO.
SD-85510-002

SHEET NO.
1 OF 1

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.

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