This document was generated on 06/07/2010

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Part Number: 0855025005
Status: Active
Overview: modular_plugs_jacks
Description: Modular Jack, Right Angle, Low Profile, SMT, 4/4

Documents:

3D Model
Drawing (PDF)
Application Specification (PDF)
Product Specification PS-85502-001 (PDF)
RoHS Certificate of Compliance (PDF)

Series image - Reference only

Agency Certification

UL	E107635

General

Product Family	Modular Jacks/Plugs
Series	85502
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)	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	Right Angle (Side 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
85502Series

Mates With
FCC 68 Plugs

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-85502
Product Specification	PS-85502-001
Sales Drawing	SD-85502-101

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NOTES:

1- MATERIAL:

HOUSING: LCP GLASS FILLED UL 94V0 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.
SOLDER TABS: BRASS PLATED WITH 0.0020/.000078 MIN TIN.

2- JACK FOR MATING WITH F.C.C.68 PLUGS.
(MOLEX 90075 SERIES).

3- PRODUCT SPECIFICATION: MOLEX PS-85502-001

4- POLYIMIDE ADHESIVE TAPE FOR PICK & PLACE SURFACE.
THICKNESS: 125 μm/4921μ''

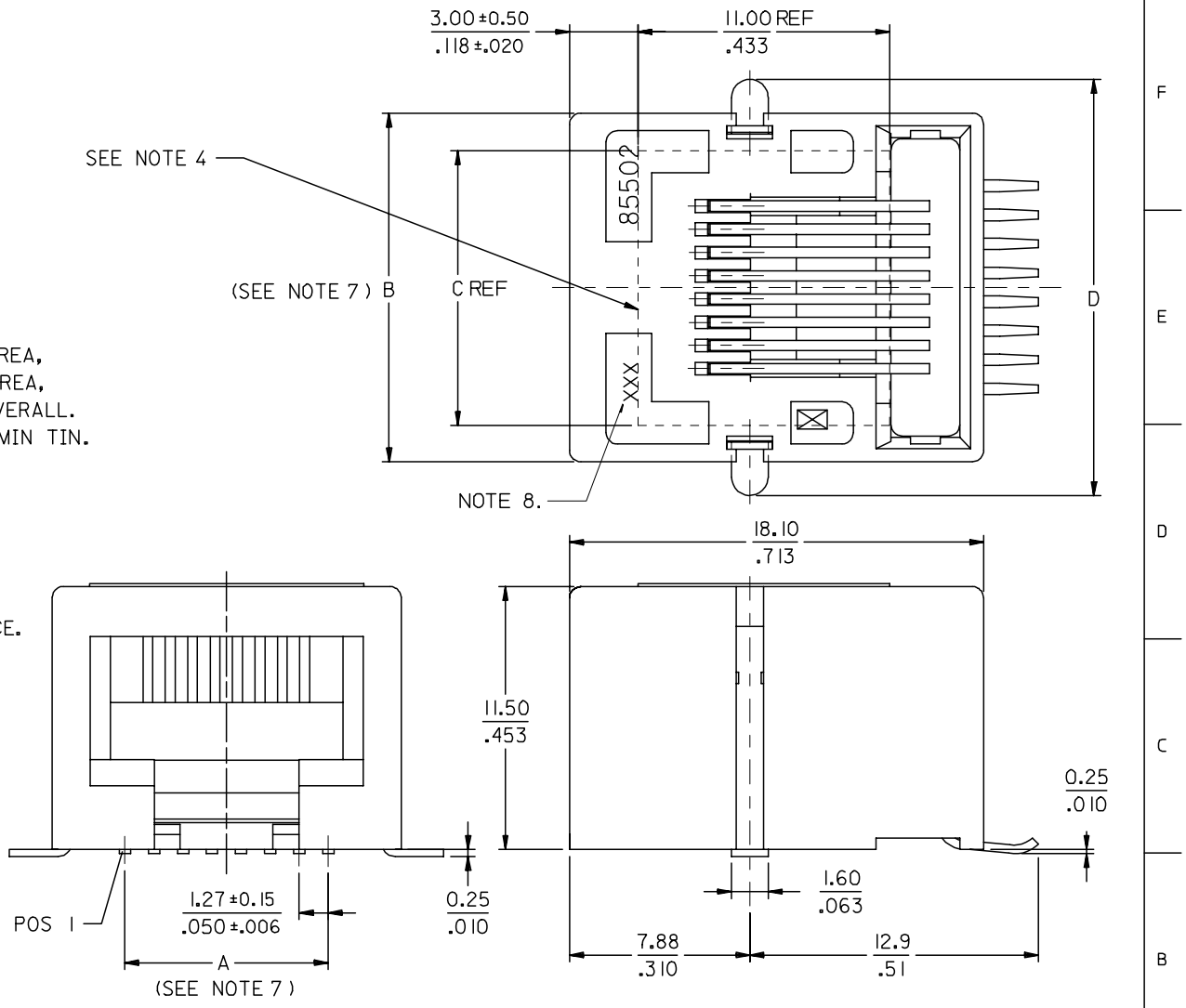
5- PACKAGING SPECIFICATION: MOLEX PK-85502.
(BLISTER PACKAGING).

6- COPLANARITY OF SIGNAL LEADS: 0.10/.004

7- SEE DIMENSIONS IN CHART ON SHEET 2.

8- MANUFACTURING I.D. CAN BE EITHER MG, MXF OR MXI.

9- APPLICATION SPECIFICATION: AS-85513-001



MODIFIED MATERIAL EC NO: E2007-0717	2007/02/15	DRWN:DBYRNES	2007/02/15	CHKD:		APPR:EOMAHONY	2007/02/15
B	REV	DESCRIPTION					

QUALITY SYMBOLS
▼=0
▽C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

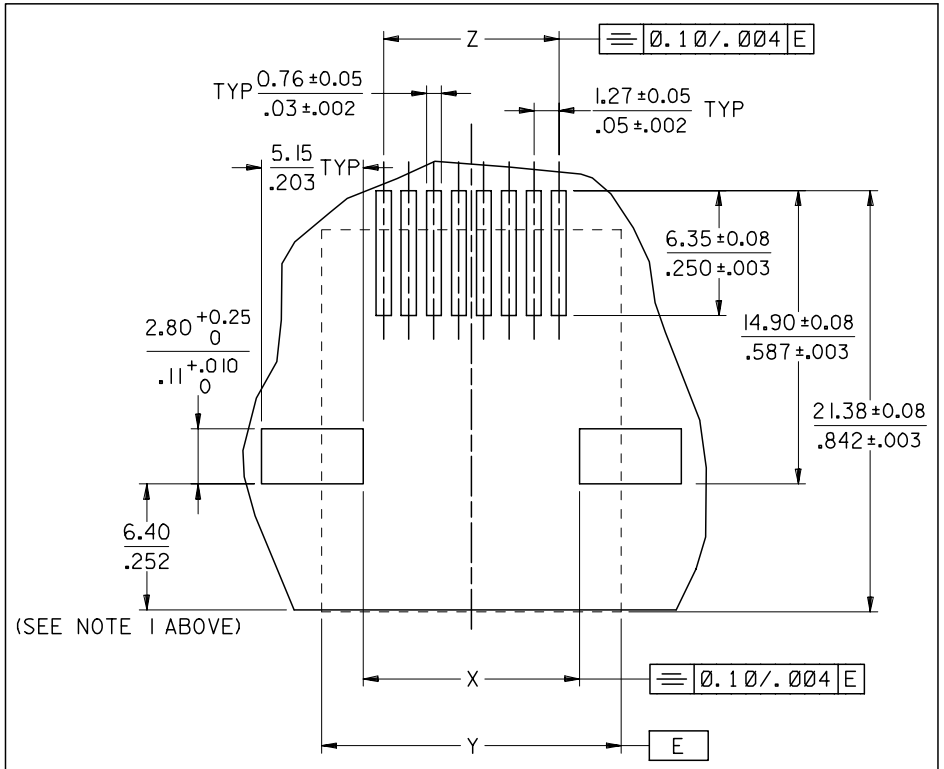
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	±.010
2 PLACES	±0.25	±.014
1 PLACE	±0.35	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM/IN
SCALE	5:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	DB
DATE	2006/06/12
CHECKED BY	EOMAHONY
DATE	2006/06/15
APPROVED BY	EOMAHONY
DATE	2006/06/15
MATERIAL NO.	SEE CHART SHT 2
TITLE	R/A LOW PROFILE TRUE SMT 4,6 & 8 CONTACTS PC JACK WITH SIDE SOLDER TABS
	MOLEX INCORPORATED
DOCUMENT NO.	SD-85502-101
SHEET NO.	1 OF 2
SIZE	A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

NOTE 1: RECOMMENDED DISTANCE FROM THE PCB'S EDGE



P.C.B. MOUNTING PATTERNS (SOLDER TABS VERSION)
VIEW FROM COMPONENT SIDE (SCALE 4:1)

PART NUMBERS FOR TRUE SMT JACK WITH SOLDER TABS

	HOUSING COLOR	POS 4 / 4 CKTS	TOOLED	POS 6 / 4 CKTS	TOOLED	POS 6 / 6 CKTS	TOOLED	POS 8 / 8 CKTS	TOOLED
STANDARD VERSION	BLACK	85502-5005		85502-5006		85502-5007		85502-5008	

DIM \ TYPE	POS 4	POS 6		POS 8
	4 CKTS	4 CKTS	6 CKTS	8 CKTS
A ±0.15/.006	3.81 / .150	3.81 / .150	6.35 / .250	8.89 / .350
B	11.18 / .440	13.21 / .520	13.21 / .520	15.24 / .600
C (REF)	8.50 / .335	8.50 / .335	8.50 / .335	12.00 / .472
D ±0.35/.014	14.13 / .556	16.16 / .636	16.16 / .636	18.19 / .716
X ±0.10/.004	6.94 / .273	8.97 / .353	8.97 / .353	11.00 / .433
Y (REF)	11.18 / .440	13.21 / .520	13.21 / .520	15.24 / .600
Z ±0.05/.002	3.81 / .150	3.81 / .150	6.35 / .250	8.89 / .350

SEE SHEET 1
EC NO: E2007-0717 2007/02/15
DRWN: DBYRNES 2007/02/15
CHKD:
APPR: EOMAHONY 2007/02/15
DESCRIPTION
REV B

QUALITY SYMBOLS
▼=0
▽C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .014
1 PLACE	± 0.35	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: DB DATE: 2006/06/12
CHECKED BY: EOMAHONY DATE: 2006/06/15
APPROVED BY: EOMAHONY DATE: 2006/06/15
MATERIAL NO.: SEE CHART

TITLE: R/A LOW PROFILE TRUE SMT 4,6 & 8 CONTACTS PC JACK WITH SIDE SOLDER TABS
MOLEX INCORPORATED
DOCUMENT NO.: SD-85502-101
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

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http://moschip.ru/get-element

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