

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0855025008

Status:

Active

Overview:

modular_plugs_jacks

Description:

Modular Jack, Right Angle, Low Profile, SMT, 8/8

Documents:

3D Model

Drawing (PDF)

Application Specification (PDF)

Product Specification PS-85502-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

UL

E107635

General

Product Family

Series

Component Type

Magnetic

Overview

Performance Category

Power over Ethernet (PoE)

Product Name

Modular Jacks/Plugs

85502

PCB Jack

No

modular_plugs_jacks

3

N/A

RJ45

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

Right Angle (Side Entry)

No

Yes

Embossed Tape on Reel

0.040 In

1.02 mm

0.050 In

1.27 mm

120.00, 50.8

1.27, 3.000

120.00, 76

1.9, 3.00

1

8/8

Yes

-40°C to +80°C

Surface Mount

No

N/A

Electrical

Current - Maximum per Contact

1.5A

Series

image - Reference only

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

This document was generated on 06/07/2010

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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 μ m/4921 μ ''

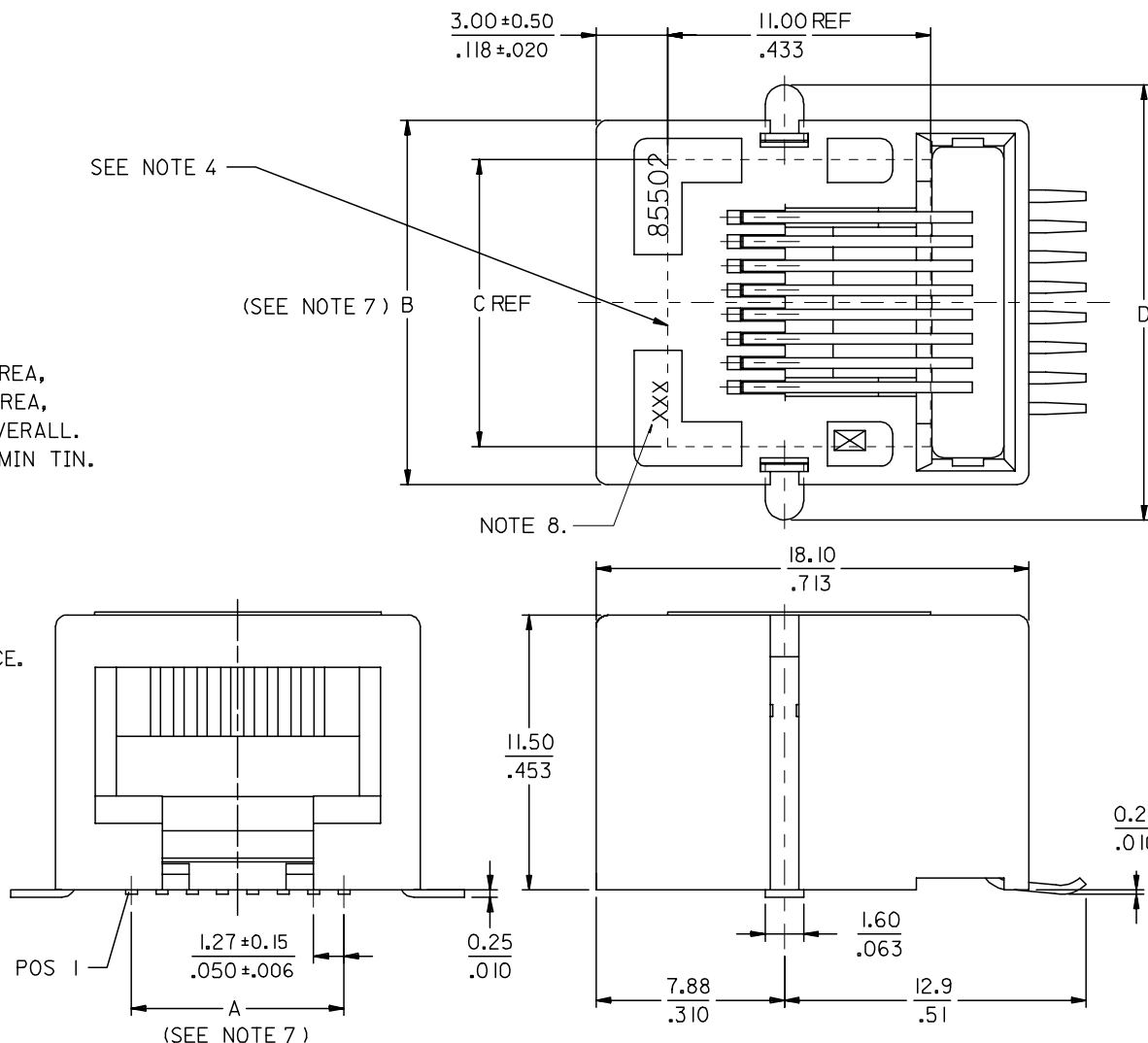
5- PACKAGING SPECIFICATION: MOLEX PK-85502.
(BLISTER PACKAGING).

6- COPLANARITY OF SIGNAL LEADS: 0.10/.004

7- SEE DIMENSIONS IN CHART ON SHEET 2.

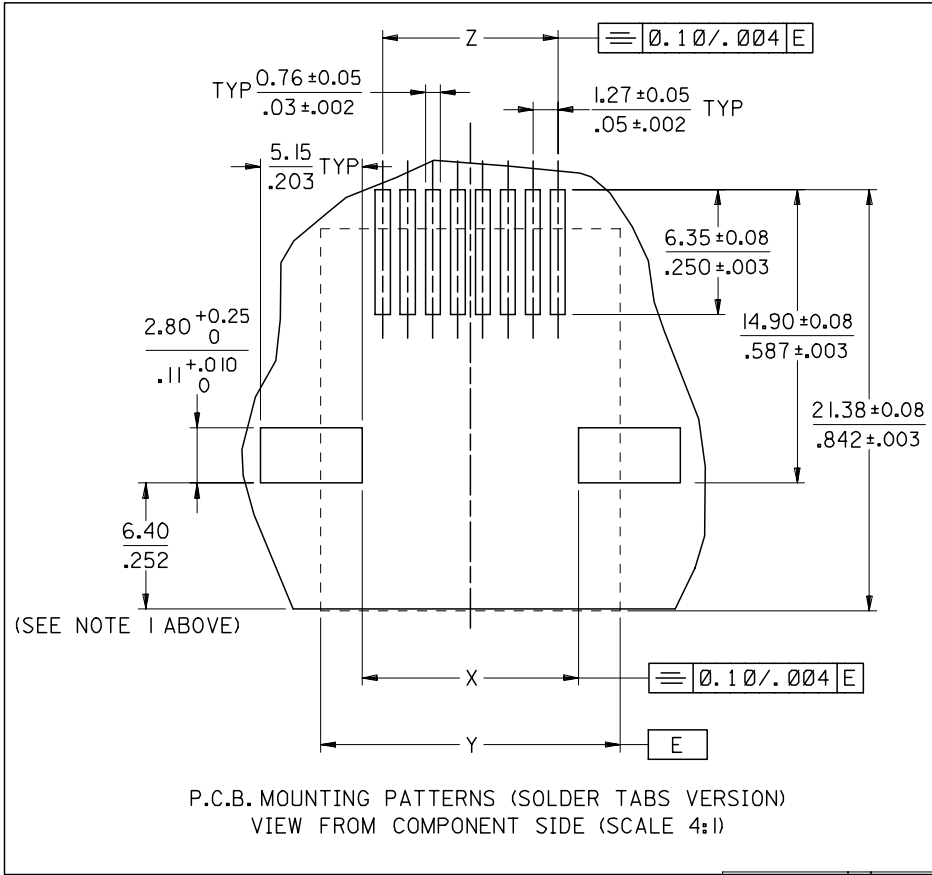
8- MANUFACTURING I.D. CAN BE EITHER MG, MXF OR MXI.

9- APPLICATION SPECIFICATION: AS-85513-001



MODIFIED MATERIAL EC NO: E2007-0717 DRWN:DBYRNES 2007/02/15 CHKD: 2007/02/15 APPR:EOMAHONY 2007/02/15	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION ⊙	
				mm	INCH	DRAWN BY DB	DATE 2006/06/12	TITLE R/A LOW PROFILE TRUE SMT 4,6 & 8 CONTACTS PC JACK WITH SIDE SOLDER TABS MOLEX MOLEX INCORPORATED		
			4 PLACES	± ---	± ---	CHECKED BY	DATE			
			3 PLACES	± ---	± .010	EOMAHONY	2006/06/15			
			2 PLACES	± 0.25	± .014	APPROVED BY	DATE			
			1 PLACE	± 0.35	± ---	EOMAHONY	2006/06/15			
			ANGULAR ± 2 °		MATERIAL NO.	DOCUMENT NO.		SHEET NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART SHT 2		SD-85502-101		1 OF 2	
					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



PART NUMBERS FOR TRUE SMT JACK WITH SOLDER TABS						
	HOUSING COLOR	POS 4	TOOLED	POS 6	TOOLED	POS 8
		4 CKTS		4 CKTS		8 CKTS
STANDARD VERSION	BLACK	85502-5005		85502-5006		85502-5007
						85502-5008

TYPE DIM	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
DRWN: DBYRNES
CHKD:
APPR: EOMAHONY
REV

QUALITY
SYMBOLS
▽=0
▽=0
DESCRIPTION
REV

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

DRAWN BY
DB

CHECKED BY
EOMAHONY

APPROVED BY
EOMAHONY

MATERIAL NO.

DATE
2006/06/12

DATE
2006/06/15

DATE
2006/06/15

SEE CHART

SCALE
5:1

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

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

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