

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0855025009

Status:

Active

Overview:

modular_plugs_jacks

Description:

Modular Jack, Right Angle, Low Profile, SMT,4/4, Pin-in-Hole- Reflow

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

Comments

Component Type

Magnetic

Overview

Performance Category

Power over Ethernet (PoE)

Product Name

Modular Jacks/Plugs

85502

Pin and Paste

PCB Jack

No

modular_plugs_jacks

3

N/A

RJ11

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

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

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)

Yes

Yes

0.062 In

1.57 mm

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

4/4

Yes

-40°C to +80°C

Surface Mount

No

N/A

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

Electrical

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-85502
Product Specification	PS-85502-001
Sales Drawing	SD-85502-103

This document was generated on 06/07/2010

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10 9 8 7 6 5 4 3 2 1

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 PEGS: 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 /4921 μm

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

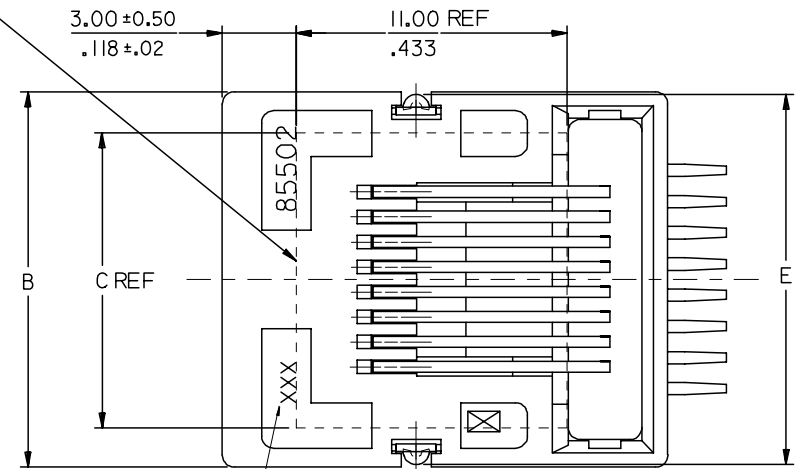
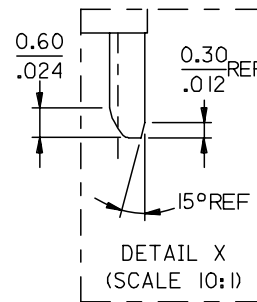
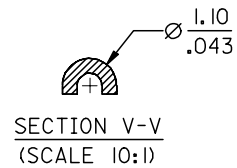
6- COPLANARITY OF SIGNAL LEADS: 0.10/.004

7- SEE DIMENSIONS IN CHART ON SHEET 2.

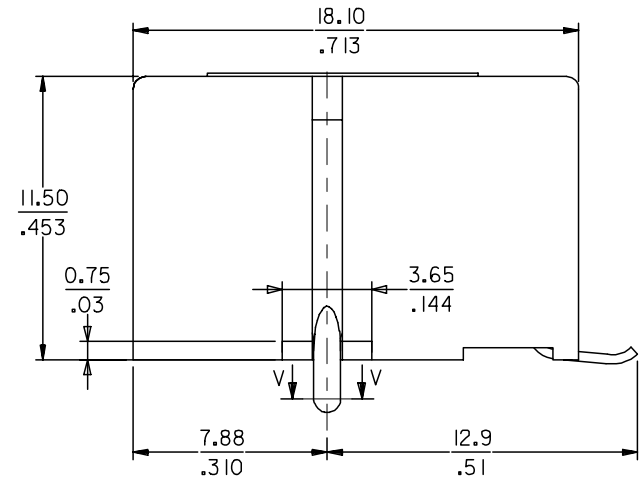
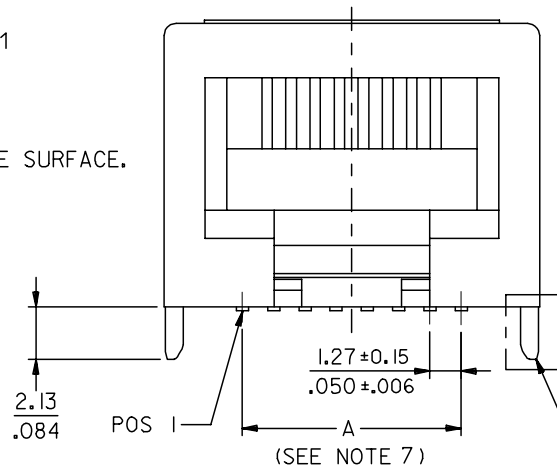
8- P.C. BOARD THICKNESS: 1.57/.062

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

10- APPLICATION SPEC: AS-85513-001



NOTE 9.



SEE DETAIL X

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

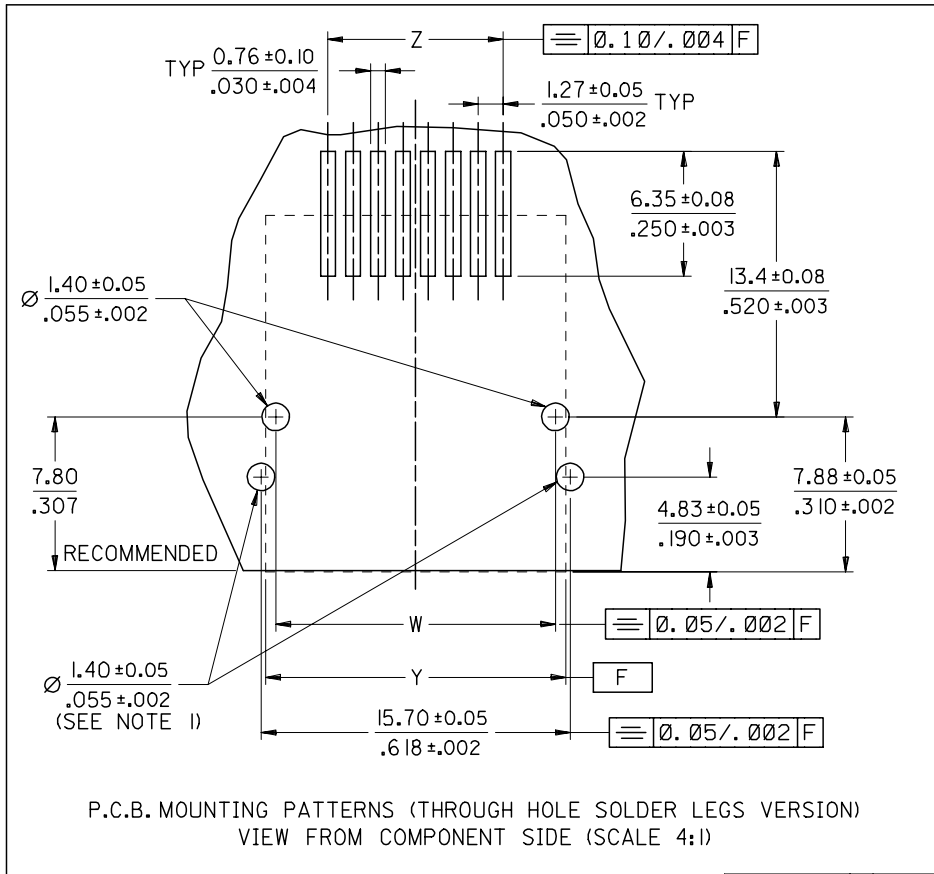
QUALITY SYMBOLS
▽=0
▽=0

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	
DRAWN BY	DATE
DB	2006/06/12
CHECKED BY	DATE
EOMAHONY	2006/06/15
APPROVED BY	DATE
EOMAHONY	2006/06/15
MATERIAL NO.	
SEE CHART SHT 2	
SIZE	
A3	

SCALE 5:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION
TITLE			
R/A LOW PROFILE P.C.JACK SMT; 4,6 & 8 CKTS WITH THROUGH HOLE SOLDER PEGS			
MOLEX MOLEX INCORPORATED			
DOCUMENT NO. SD-85502-103			SHEET NO. 1 OF 2
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

NOTE 1:
TWO OPTIONAL HOLES FOR THE 8 POSITION-VERSION FOR THE COMPATIBILITY
WITH THE INTERNAL SHIELDED VERSION.



	PART NUMBERS FOR SMT JACK WITH THROUGH HOLE SOLDER PEGS							
	HOUSING COLOR	POS 4	TOOLED	POS 6	TOOLED	POS 6	TOOLED	POS 8
		4 CKTS		4 CKTS		6 CKTS		8 CKTS
STANDARD VERSION	BLACK	85502-5009		85502-5010		85502-5011		85502-5012

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
E	11.08 / .436	13.11 / .516	13.11 / .516	15.14 / .596
W ±0.05 / .002	10.13 / .399	12.16 / .479	12.16 / .479	14.19 / .559
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 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	± ---	± .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 DATE
DB 2006/06/12

CHECKED BY DATE
EOMAHONY 2006/06/15

APPROVED BY DATE
EOMAHONY 2006/06/15

MATERIAL NO.

SIZE
A3

SEE CHART

SCALE
5:1

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

TITLE
RIGHT ANGLE LOW PROFILE
SMT PC JACK WITH THROUGH
HOLE SOLDER PEGS

MOLEX INCORPORATED

DOCUMENT NO.
SD-85502-103

SHEET NO.
2 OF 2

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<http://moschip.ru/get-element>

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