

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0955036451

Status:

Active

Overview:

modular_plugs_jacks

Description:

4/4 JACK SMT VERSION

Documents:

3D Model

Application Specification (PDF)

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

UL

E107635

General

Product Family

Modular Jacks/Plugs

Series

95503

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

Yes

PCB Retention

Yes

PCB Thickness Recommended (in)

0.062 In

PCB Thickness Recommended (mm)

1.57 mm

Packaging Type

Tube

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

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

EU RoHS

China RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

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

95503Series

Mates With

FCC 68 Plugs

Current - Maximum per Contact	1.5A
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

Sales Drawing	SD-95503-003
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This document was generated on 06/07/2010

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NOTES :

1- MATERIAL:

- HOUSING: LCP FIBER GLASS FILLED UL 94-V0
COLOR BLACK.
- TERMINAL: TIN BRASS.

PLATING 2:

POST PLATE (0.00127-0.00152)/.000050-.000060 GOLD IN
CONTACT AREA. (0.00190)/.000075 MIN. PURE TIN IN TAIL
AREA BOTH OVER (0.00127)/.000050 MIN. NICKEL OVERALL.

PLATING 7: ONLY ON REQUEST

POST PLATE 0.00005/.000002 MIN GOLD OVER 0.000763
.000030 MIN PALLADIUM NICKEL 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 90075 MOLEX SERIES.

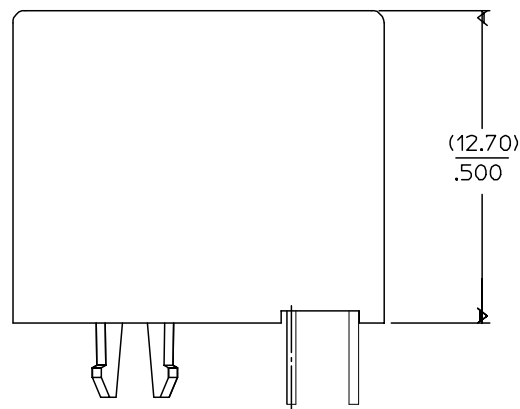
3- PRODUCT SPECIFICATION PS-95503-001

4- PACKAGING SPECIFICATION PK-95003:

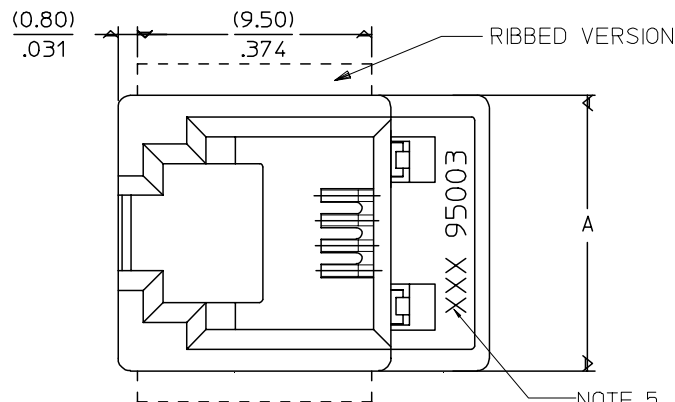
- STANDARD PACKAGING SHEET 1.
- TUBE PACKAGING FOR SMT VERSION SHEET 2.
- TUBE PACKAGING FOR THROUGH HOLE VERSION
SHEET 3.

5- MANUFACTURING I.D. CAN BE MXF, MG OR MXL

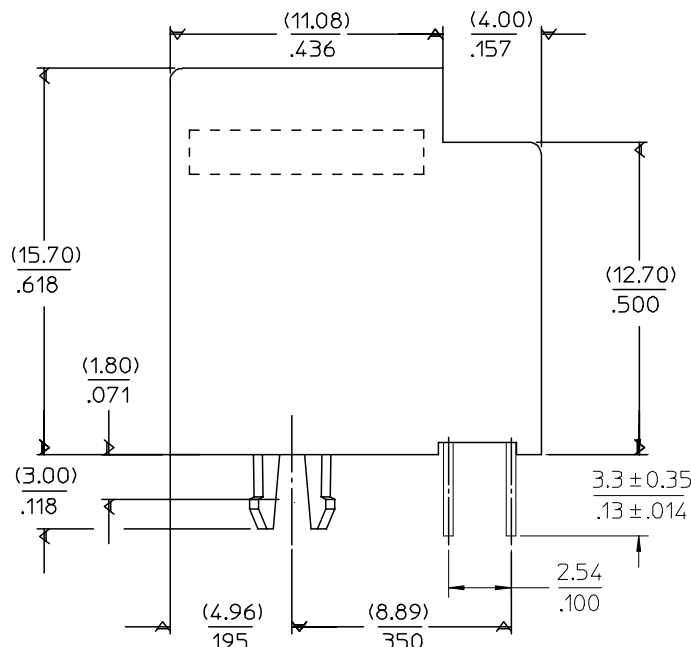
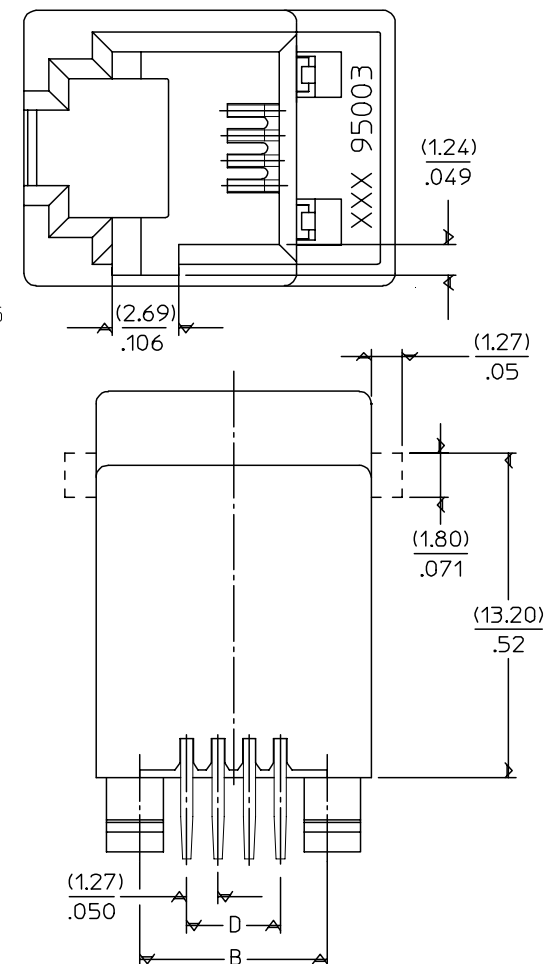
TYPE	POS. 4		POS. 6		POS. 8
	4 CKTS.	4 CKTS.	6 CKTS.	6 CKTS.	8 CKTS.
A	(11.18) / .440	(13.21) / .520	(13.21) / .520	(15.24) / .600	
B	(7.62) / .300	(10.16) / .400	(10.16) / .400	(11.43) / .450	
D	(3.81) / .150	(3.81) / .150	(6.35) / .250	(8.89) / .350	



SHORT VERSION



OPTIONAL KEYING



REV	DESCRIPTION	DATE	BY	CHKD	APPR
D	ADDED TABLE	2007/11/28	EC NO: E2008-0267	DRWN:DBYRNES	2007/11/28

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

GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES $\pm .005$	$\pm .0002$
3 PLACES $\pm .006$	$\pm .00024$
2 PLACES $\pm .015$	$\pm .0006$
1 PLACE $\pm .025$	$\pm .001$
ANGULAR $\pm .5^\circ$	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE	
MM	IN
DRAWN BY	DATE
TMARTIN	2005/06/15
CHECKED BY	DATE
FCARABETTA	2005/06/15
APPROVED BY	DATE
KNOLLER	2005/06/15
MATERIAL NO.	
SEE SHT 4.5	

SCALE 5:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION
TITLE			
LOW PROFILE TOP ENTRY JACK (THROUGH HOLE VERSION)			
 MOLEX INCORPORATED			
DOCUMENT NO. SD-95503-003			SHEET NO. 1 OF 5
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

NOTES :

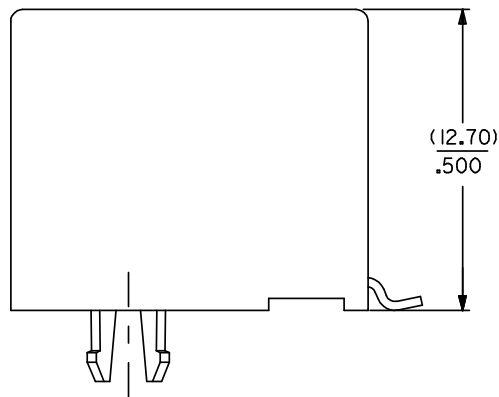
1- MATERIAL:

-HOUSING: L C P FIBER GLASS FILLED UL 94-V0
COLOR BLACK

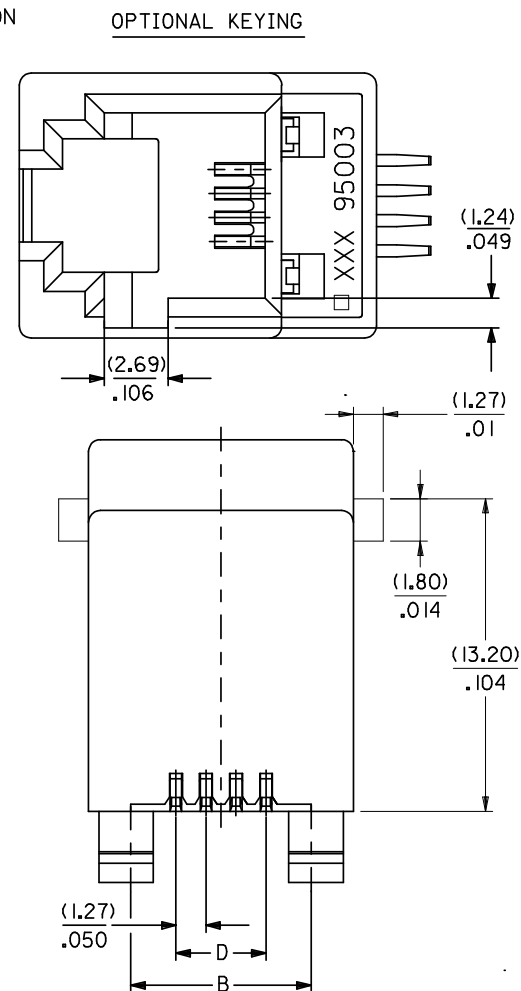
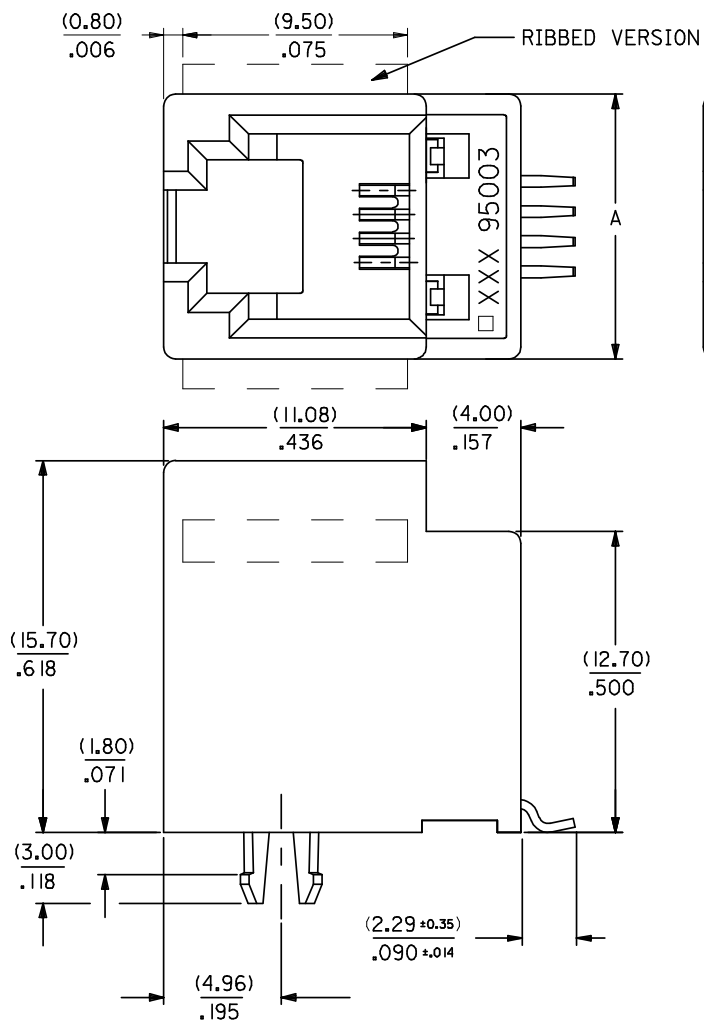
2- APPLICATION SPECIFICATION: AS-85513-001 (SMT)

3- SEE OTHER NOTES SHEET 1.

4- COPLANARITY OF SIGNAL TAILS 0.1mm MAX
RELEVANT TO EACH OTHER.



SHORT VERSION



DIM.	TYPE	POS. 4	POS. 6		POS. 8
		4 CKTS.	4 CKTS.	6 CKTS.	8 CKTS.
A		(11.18) / .440	(13.21) / .520	(13.21) / .520	(15.24) / .600
B		(7.62) / .300	(10.16) / .400	(10.16) / .400	(11.43) / .450
D		(3.81) / .150	(3.81) / .150	(6.35) / .250	(8.89) / .350

ADDED NOTE 4.
EC NO: E2008-0585
2008/04/21
DRAWN BY: RYNE
2008/04/22
CHKD: EOMAHONY
2008/04/22
APPR: EOMAHONY

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 ± .5 °
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM/IN
DRAWN BY DATE
TMARTIN 2005/06/19
CHECKED BY DATE
FCARABETTA 2005/06/19
APPROVED BY DATE
KNOLLER 2005/06/19
MATERIAL NO.
SEE SHT. 4, 5
SIZE
A3

SCALE
5:1
DESIGN UNITS
METRIC
THIRD ANGLE PROJECTION
TITLE
LOW PROFILE T/E JACK
(SMT VERSION)
MOLEX INCORPORATED
DOCUMENT NO.
SD-95503-003
SHEET NO.
2 OF 5
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