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Part Number: [0955016669](#)
Status: **Active**
Description: Modular Jacks, Low Profile, SMT Jack, 6 Positions, 6 loaded

Documents:

3D Model	Product Specification PS-95501 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification (PDF)	

Agency Certification

UL	E107635
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General

Product Family	Modular Jacks/Plugs
Series	95501
Component Type	PCB Jack
Magnetic	No
Performance Category	3
Power over Ethernet (PoE)	N/A
Product Name	RJ12

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	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Orientation	Right Angle (Side Entry)
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.063 In
PCB Thickness Recommended (mm)	1.60 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	6/6
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
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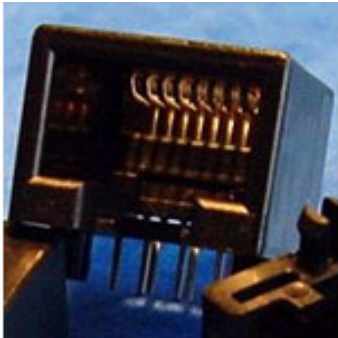


image - Reference only

Series

EU RoHS

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

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

[95501Series](#)

Mates With

FCC 68 Plugs

Use With

90075

Shielded	No
Voltage - Maximum	125V DC

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

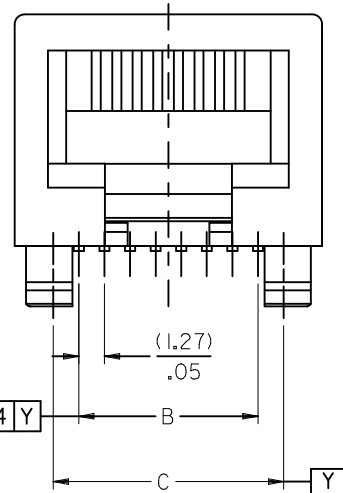
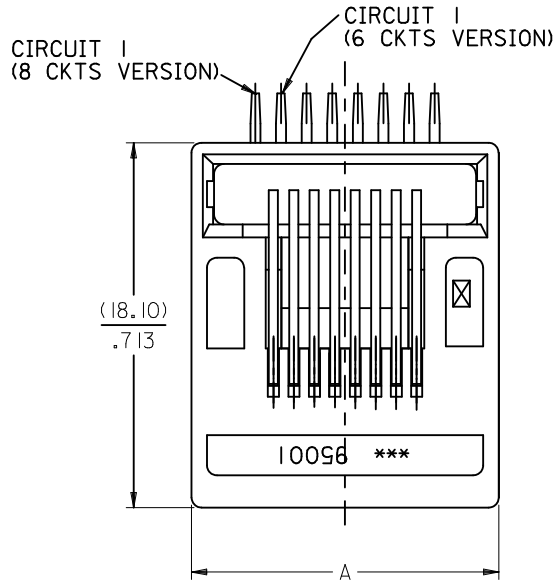
Packaging Specification	PK-95001
Product Specification	PS-95501
Sales Drawing	SD-95501-001

This document was generated on 06/07/2010

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6 & 8 VERSIONS

8 VERSION SHOWN



TYPE DIM.	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
C	(7.62) / .300	(10.16) / .400	(10.16) / .400	(11.43) / .450
B	(3.81) / .150	(3.81) / .150	(6.35) / .250	(8.89) / .350

NOTES :

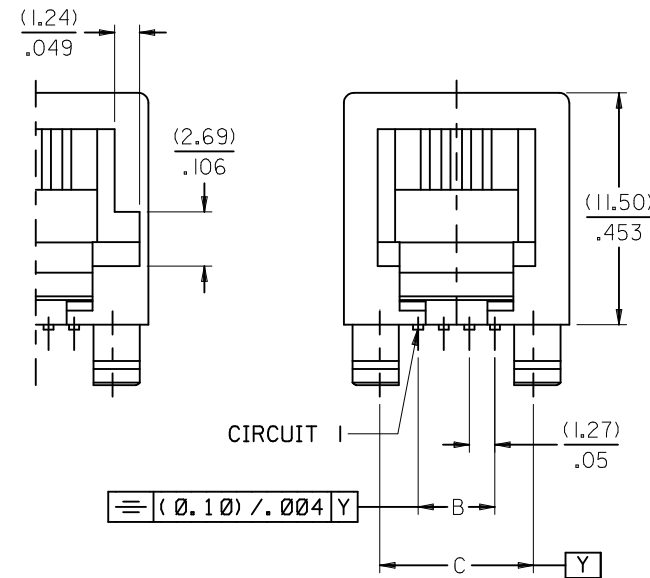
1- MATERIAL:

-HOUSING: LCP GLASS FILLED UL 94V-0,
COLOUR BLACK.

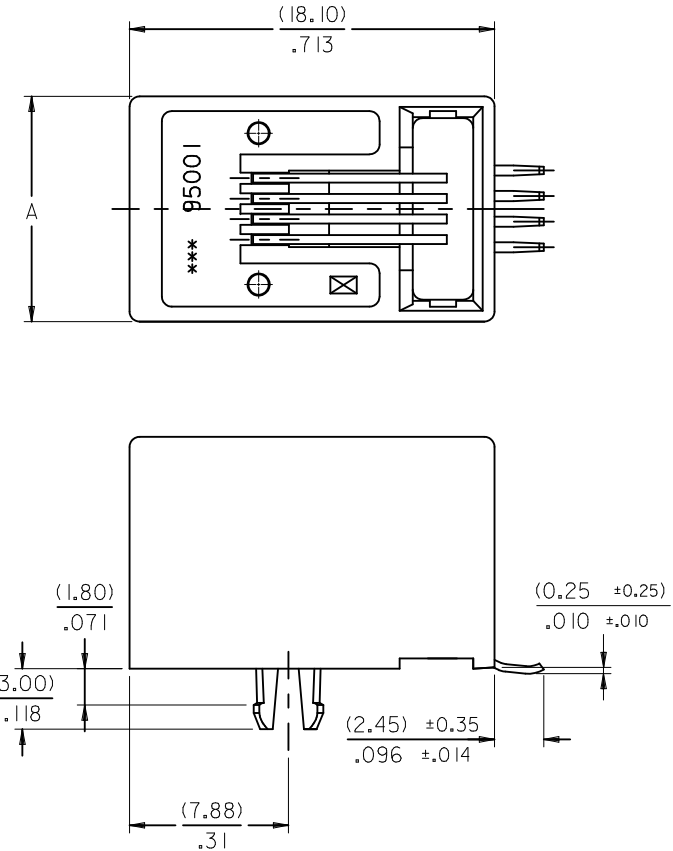
2- SEE OTHER NOTES SHEET 1

3- COPLANARITY OF SIGNAL TAILS 0.10MM

OPTIONAL KEYING

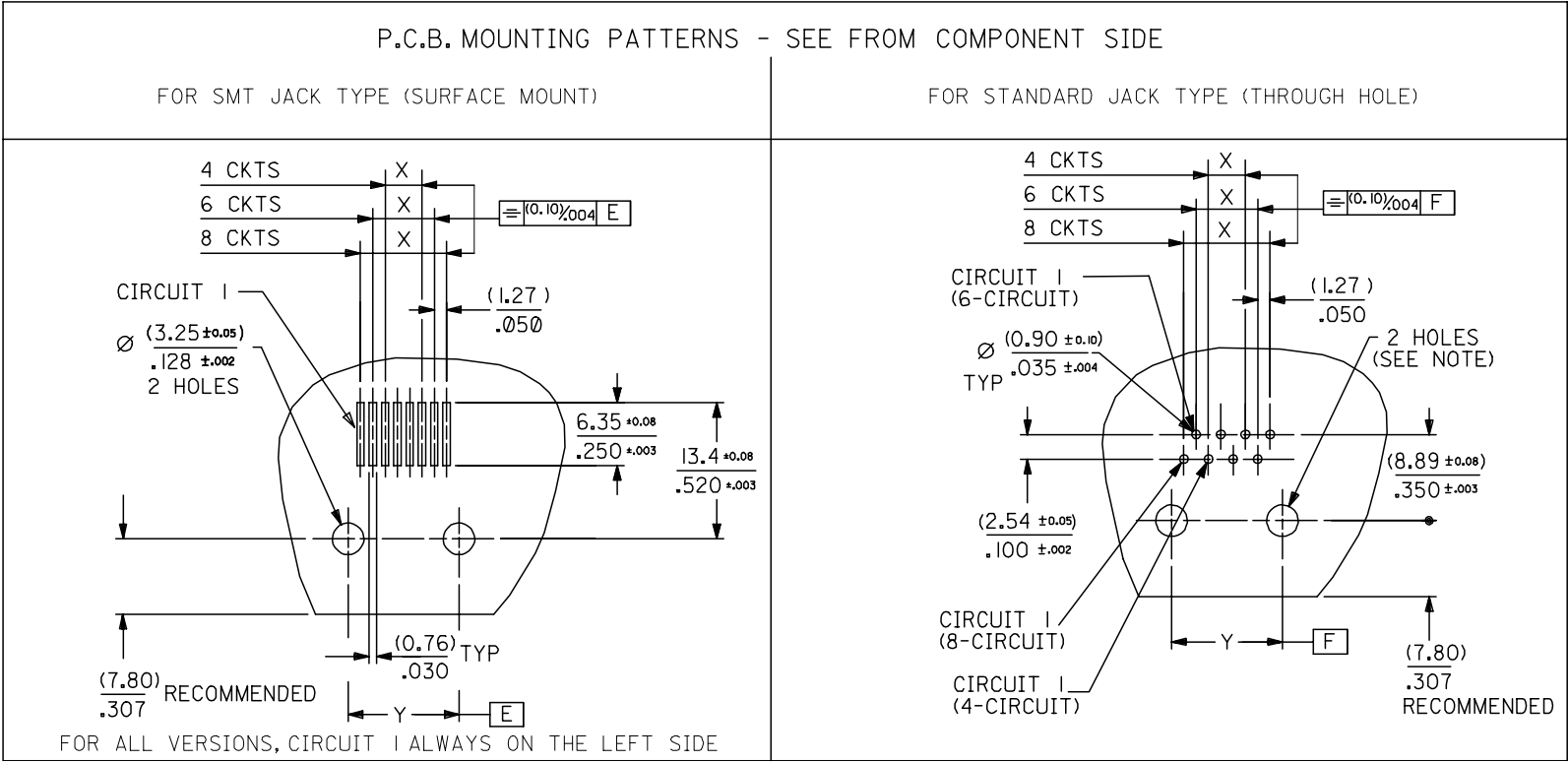


4 VERSION ONLY



ADDED NOTE 3. EC NO: E2010-0156 DRWN: DBYRNES CHKD: APPR: J WALLACE 2010/01/08 2010/01/08 2010/01/08	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
			4 PLACES 3 PLACES 2 PLACES 1 PLACE	mm	INCH	DRAWN BY DBYRNES	DATE 2006/08/02	TITLE R/A LOW PROFILE PC JACK 4,6,8 CKTS SIZE SMT VERSION				
				± ---	± ---	CHECKED BY	DATE					
				± ---	± .006	EOMAHONY	2006/08/12					
				± 0.15	± .010	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED				
± 0.25	± ---	EOMAHONY	2006/08/12									
ANGULAR ± ---°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART SHEETS 4,5&6		SD-95501-001		2 OF 5						
D	REV	SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

TYPE DIM.	POS. 4	POS. 6		POS. 8
	4 CKTS.	4 CKTS.	6 CKTS.	8 CKTS.
Y $\pm 0.05 / \pm .002$	(7.62) / .300	(10.16) / .400	(10.16) / .400	(11.43) / .450
X $\pm 0.05 / \pm .002$	(3.81) / .150	(3.81) / .150	(6.35) / .250	(8.89) / .350



NOTE:
FOR CONVECTION SOLDERING: DIA 3.25 $\pm$ 0.05 / .128 $\pm$.002
FOR WAVE SOLDERING: DIA 3.20 $\pm$ 0.10 / .126 $\pm$.004

MODIFIED TABLE EC NO: E2008-0176 DRWN:DBYRNES CHKD: APPR:EOMAHONY		DESCRIPTION 2007/10/05 2007/10/05 2007/10/05	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
					mm	INCH	DRAWN BY DBYRNES	DATE 2006/08/02	TITLE R/A LOW PROFILE JACK PC JACK 4,6,8 CKT SIZE SMT AND STANDARD VERSION				
				4 PLACES	± ---	± ---	CHECKED BY	DATE					
				3 PLACES	± ---	± .006	EOMAHONY	2006/08/12					
B	REV			2 PLACES	± 0.15	± .010	APPROVED BY	DATE	MOLEX INCORPORATED				
				1 PLACE	± 0.25	± ---	EOMAHONY	2006/08/12					
				ANGULAR ± ---°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART SHEETS 4,5&6		SD-95501-001		3 OF 5			
										SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

SPECIAL PACKAGING TUBE,SEE PACKAGING SPEC PK95001 SHEET 3

PART NO FOR JACK ASSEMBLY
THROUGH HOLE VERSION

PART NO FOR JACK ASSEMBLY
SMT VERSION

HOUSING SIZE	LOADED CONTACTS	PLATING	LOP GLASS FILED 94V0,COLOR BLACK.							
			NO KEY	TOOLED	KEY	TOOLED		TOOLED		TOOLED
			NOT RIBBED	TOOLED	NOT RIBBED	TOOLED		TOOLED		TOOLED
4	4	2	95501-2401	X						
6	4	2	95501-2601	X						
6	6	2	95501-2611	X						
8	8	2	95501-2821	X						

PLATING	LOP GLASS FILLED 94V0 COLOUR BLACK							
	NO KEY	TOOLED	KEY	TOOLED	NO KEY	TOOLED	KEY	TOOLED
	NOT RIBBED	TOOLED	NOT RIBBED	TOOLED	NOT RIBBED	TOOLED	NOT RIBBED	TOOLED
2	95501-6449	X						
2	95501-6649	X						
2	95501-6669	X						
2	95501-6889	X	95501-6890	X				

REMOVED GREY OPTIONS EC NO: E2007-0513 2007/01/08 DRWN:DBYRNES CHKD: 2007/01/08 APPR:EOMAHONY 2007/01/09	QUALITY SYMBOLS ▽=0 ▽C=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY DBYRNES	DATE 2006/08/02	TITLE LOW PROFILE R/A JACK STANDARD AND SMT VERSION TUBE PACKAGING				
			4 PLACES	± ---	± ---	CHECKED BY	DATE					
			3 PLACES	± ---	± ---	EOMAHONY	2006/08/12					
			2 PLACES	± ---	± ---	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED				
			1 PLACE	± ---	± ---	EOMAHONY	2006/08/12					
B	REV		ANGULAR ± ---°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-95501-001		5 OF 5				
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						