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Part Number: 0955012881
Status: Active
Overview: modular_plugs_jacks
Description: Modular Jacks, Low Profile, Trough Hole, 8 Positions, 8 loaded

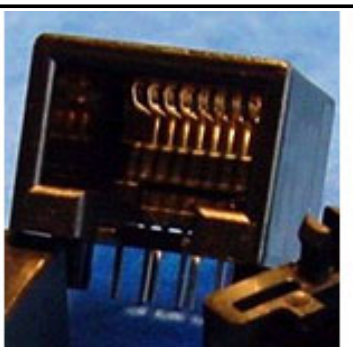


image - Reference only

Series

Documents:

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

Agency Certification

UL	E107635

General

Product Family	Modular Jacks/Plugs
Series	95501
Component Type	PCB Jack
Magnetic	No
Overview	modular_plugs_jacks
Performance Category	3
Power over Ethernet (PoE)	N/A
Product Name	RJ45

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	Tray
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	8/8
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +80°C
Termination Interface: Style	Through Hole
Waterproof / Dustproof	No
Wire/Cable Type	N/A

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
95501Series

Mates With
FCC 68 Plugs

Use With
90075

Electrical

Current - Maximum per Contact	1.5A
Shielded	No
Voltage - Maximum	125V DC

Solder Process Data

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

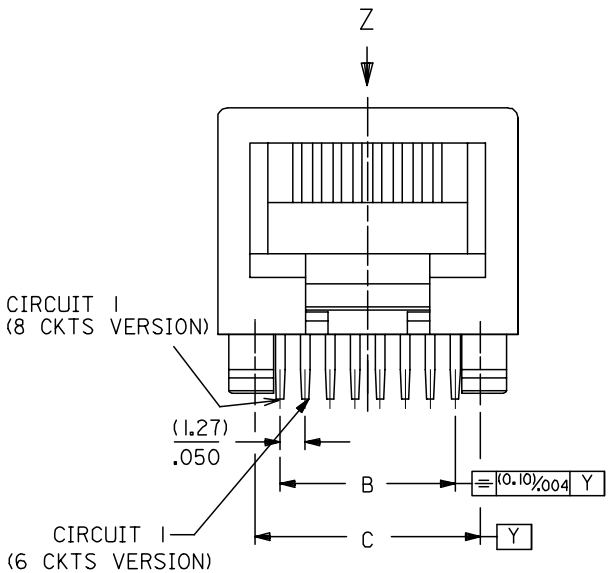
Material Info

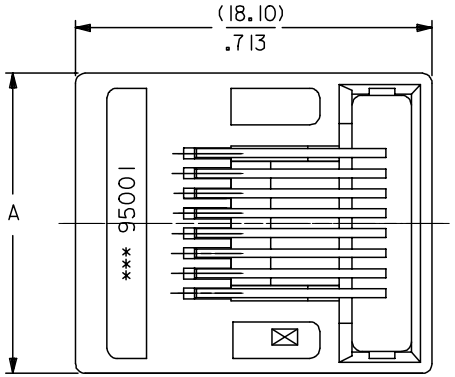
Reference - Drawing Numbers

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

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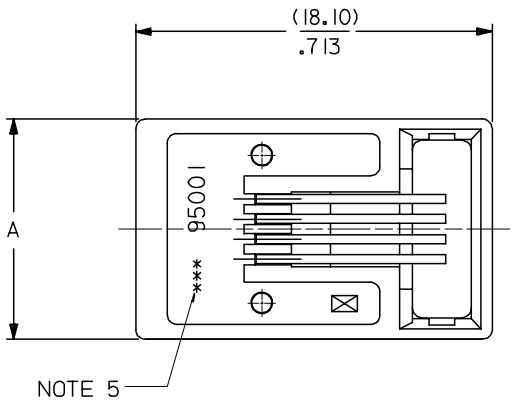


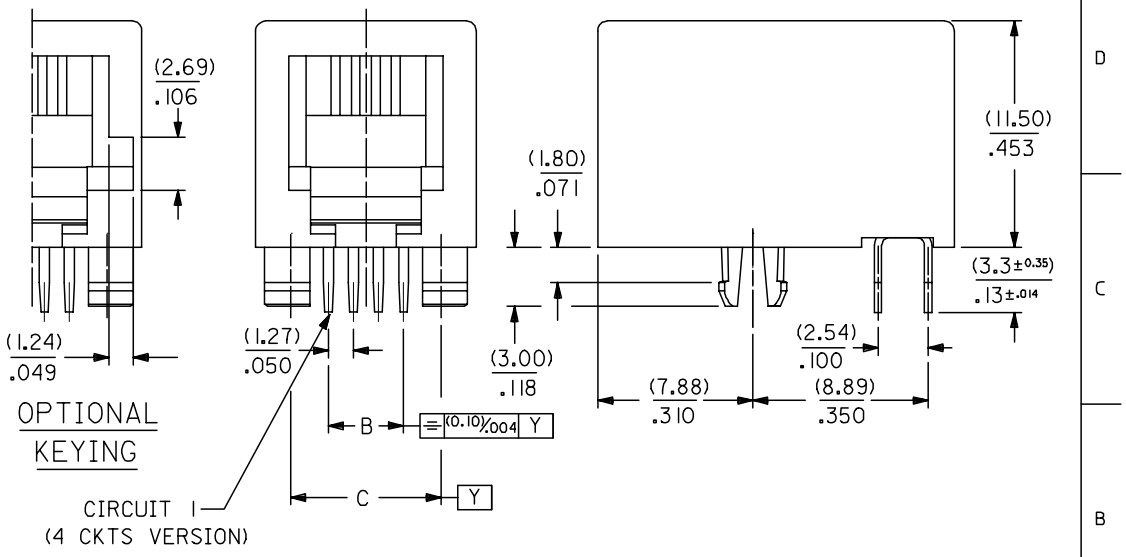


6 & 8 VERSIONS

8 VERSION SHOWN

4 VERSION ONLY





NOTES :

1- MATERIAL:
- -HOUSING: LCP GLASS FILLED UL 94V-0, COLOUR BLACK.
- -TERMINAL: PHOSPHOR BRONZE .

PLATING 2:

POST PLATE (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.

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

3- PRODUCT SPECIFICATION PS-95501.

4- PACKAGING SPECIFICATION PK-95001: STANDARD PACKAGING SHEET 1.
SPECIAL PACKAGING SHEET 2. TUBE PACKAGING SHEET 3.

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

6- RECOMMENDED PCB THICKNESS: 1.6mm

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
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

MODIFIED NOTES.
EC NO: E2008-0176 2007/10/05
DRWN:DBYRNES 2007/10/05
CHKD:
APPR:EOMAHONY 2007/10/05
DESCRIPTION
REV

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 ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

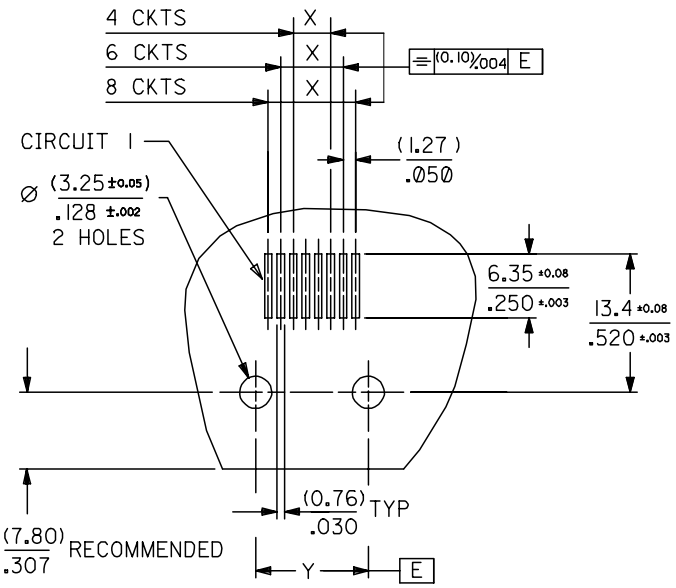
DIMENSION STYLE	MM/IN
SCALE	4:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	DBYRNES 2006/08/02
CHECKED BY / DATE	EOMAHONY 2006/08/12
APPROVED BY / DATE	EOMAHONY 2006/08/12
MATERIAL NO.	SEE CHART SHEETS 4,5&8
TITLE	R/A LOW PROFILE PC JACK 4,6,8 CKTS SIZE THROUGH HOLE VERSION
	MOLEX INCORPORATED
DOCUMENT NO.	SD-95501-001
SHEET NO.	1 OF 5
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 (±0.05)/±.002	(7.62) / .300	(10.16) / .400	(10.16) / .400	(11.43) / .450
X (±0.05)/+.002	(3.81) / .150	(3.81) / .150	(6.35) / .250	(8.89) / .350

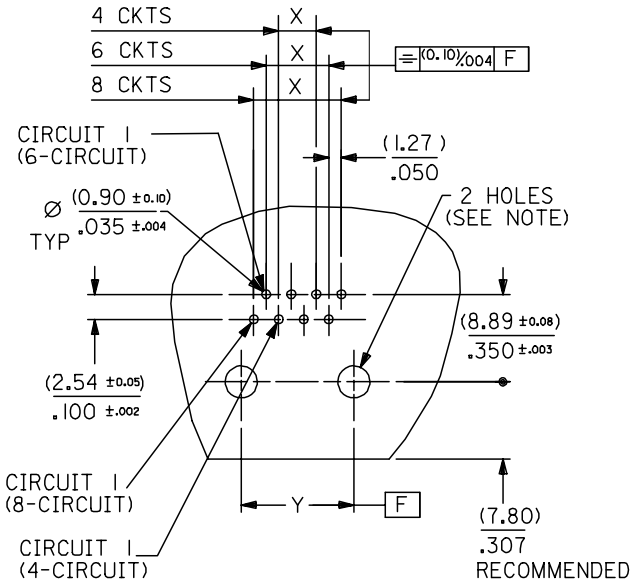
P.C.B. MOUNTING PATTERNS - SEE FROM COMPONENT SIDE

FOR SMT JACK TYPE (SURFACE MOUNT)



FOR ALL VERSIONS, CIRCUIT 1 ALWAYS ON THE LEFT SIDE

FOR STANDARD JACK TYPE (THROUGH HOLE)



NOTE:

FOR CONVECTION SOLDERING: DIA 3.25±0.05 / .128±.002

FOR WAVE SOLDERING: DIA 3.20±0.10 / .126±.004

MODIFIED TABLE
EC NO: E2008-0176 2007/10/05
DRWN:DBYRNES 2007/10/05
CHKD:
APPR:EOMAHONY 2007/10/05
DESCRIPTION
REV B

QUALITY SYMBOLS
▼=0
▽C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	±.006
2 PLACES	±0.15	±.010
1 PLACE	±0.25	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: DBYRNES DATE: 2006/08/02
CHECKED BY: EOMAHONY DATE: 2006/08/12
APPROVED BY: EOMAHONY DATE: 2006/08/12

TITLE: R/A LOW PROFILE JACK PC JACK 4,6,8 CKT SIZE SMT AND STANDARD VERSION

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART SHEETS 4,5&6
DOCUMENT NO.: SD-95501-001
SHEET NO.: 3 OF 5

SIZE A3

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STANDARD PACKAGING OPEN TRAY ,SEE PACKAGING SPEC PK95001 SHEET 1

PART NO FOR JACK ASSEMBLY

THROUGH HOLE VERSION

HOUSING SIZE	LOADED CONTACTS	PLATING	LCP GLASS FILED 94VO,COLOR BLACK.							
			NO KEY NOT RIBBED	TOOLED	KEY NOT RIBBED	TOOLED		TOOLED		TOOLED
4	4	2	95501-2441	X						
6	4	2	95501-2641	X						
6	6	2	95501-2661	X						
8	8	2	95501-2881	X	95501-2882	X				

ORIGINAL
EC NO: E2007-0117 2006/10/11
DRWN:DBYRNES 2006/10/11
CHKD:
APPR:EOMAHONY 2006/10/12
DESCRIPTION
REV
A

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: DBYRNES DATE: 2006/08/02
CHECKED BY: EOMAHONY DATE: 2006/08/12
APPROVED BY: EOMAHONY DATE: 2006/08/12
MATERIAL NO.: SEE CHART

TITLE: LOW PROFILE R/A JACK STANDARD T/HOLE VERSION STANDARD OPEN TRAY VERS

MOLEX INCORPORATED

DOCUMENT NO.: SD-95501-001
SHEET NO.: 4 OF 5

SIZE: A3

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