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Part Number: **0441930016**
Status: **Active**
Overview: modular_plugs_jacks
Description: Modular Jack, Right Angle, Low Profile, SMT, 6/2, 2 Ports, Flush Fitting Nail

Documents:

[3D Model](#) [Product Specification PS-43743-0001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	Modular Jacks/Plugs
Series	<u>44193</u>
Comments	Flush Solder Tabs Flush Fitting Nail
Component Type	PCB Jack
Magnetic	No
Overview	<u>modular_plugs_jacks</u>
Performance Category	3, 4
Power over Ethernet (PoE)	N/A
Product Name	RJ11

Physical

Color - Resin	Black
Durability (mating cycles max)	500
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 Retention	Yes
Packaging Type	Embossed Tape on Reel
Plating min: Mating (µin)	50
Plating min: Mating (µm)	1.25
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.5
Ports	2
Positions / Loaded Contacts	6/2
Surface Mount Compatible (SMC)	N/A
Temperature Range - Operating	-40°C to +80°C
Termination Interface: Style	Surface Mount
Wire/Cable Type	N/A

Electrical

Current - Maximum per Contact	1.5A
Grounding to Panel	N/A
Shielded	No
Voltage - Maximum	125V

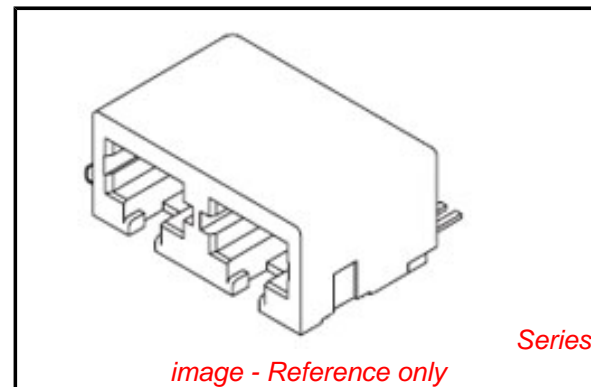
Solder Process Data

Lead-free Process Capability	Reflow Capable (SMT only)
Process Temperature max. C	235

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-70873-700*
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EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
 Not Reviewed
**Halogen-Free
Status**
Not Reviewed

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

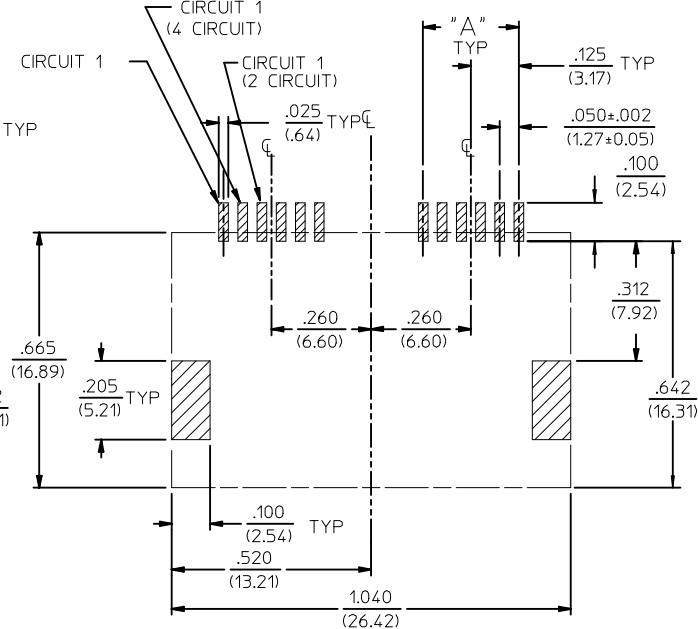
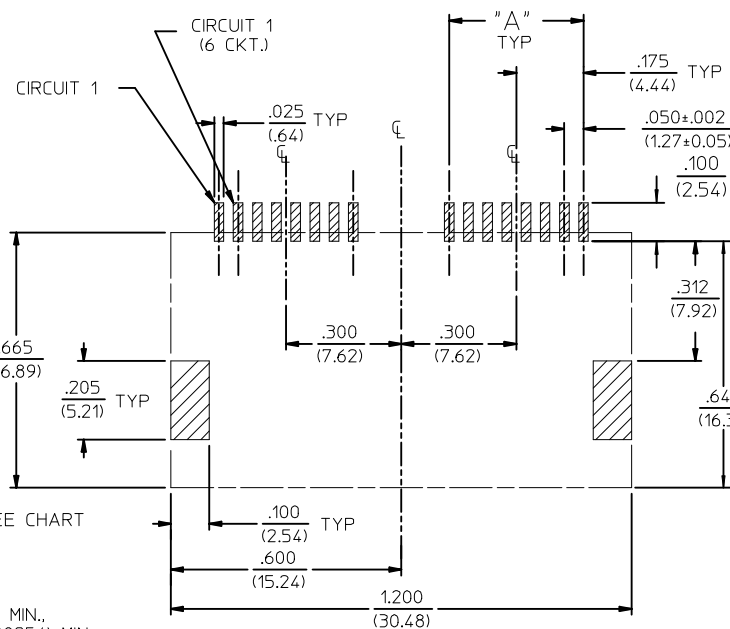
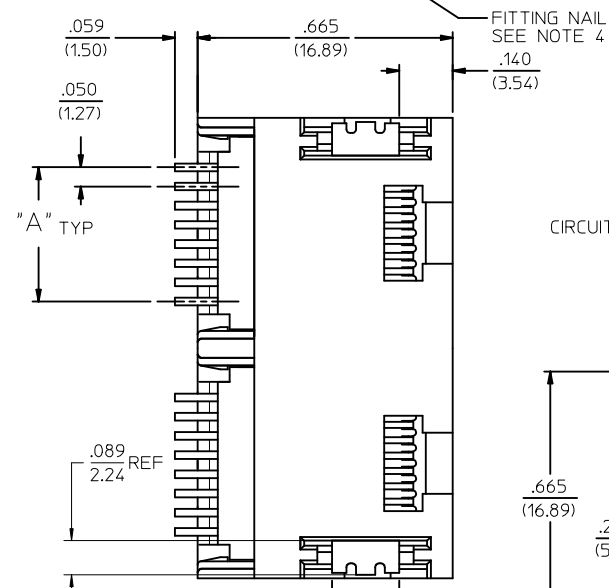
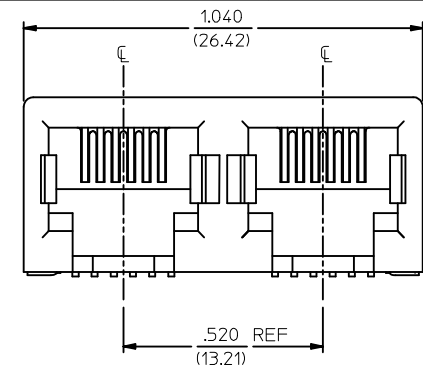
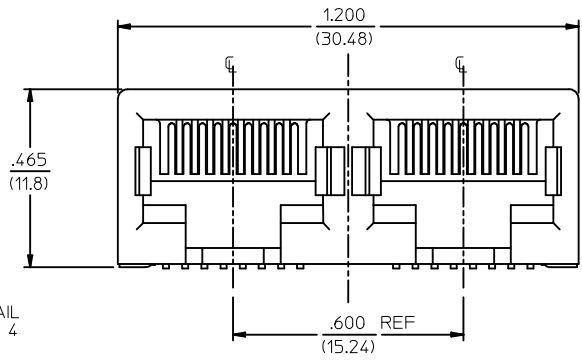
[44193Series](#)

Mates With

FCC 68 Plugs

This document was generated on 06/07/2010

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NOTES :

- MATERIALS :
HOUSING : NYLON, GLASS-FILLED, UL94V-0, COLOR - SEE CHART
TERMINALS : PHOSPHOR BRONZE, .012/(0.30)
FITTING NAILS : BRASS ALLOY, .010/(0.25)
- FINISH :
TERMINAL PLATING OPTIONS : (SEE TABLE)
(A) SELECT GOLD IN CONTACT AREA: .000050/(0.00127) MIN.,
*SELECT MATTE TIN IN PC TAIL AREA: .000100/(0.00254) MIN.,
WITH OVERALL NICKEL UNDERPLATE: .000050/(0.00127) MIN.
(B) SELECT GOLD IN CONTACT AREA: .000030/(0.00076) MIN.,
*SELECT MATTE TIN IN PC TAIL AREA: .000100/(0.00254) MIN.,
WITH OVERALL NICKEL UNDERPLATE: .000050/(0.00127) MIN.
(C) SELECT GOLD IN CONTACT AREA: .000015/(0.00038) MIN.,
*SELECT MATTE TIN IN PC TAIL AREA: .000100/(0.00254) MIN.,
WITH OVERALL NICKEL UNDERPLATE: .000050/(0.00127) MIN.
- FITTING NAILS :
*100 MICROINCHES MATTE TIN OVER 50 MICROINCHES NICKEL UNDERPLATE
*THE PRIMARY SHIPPING CARTON WILL BE LABELED "ELV AND RoHS COMPLIANT". CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD IN THE PC TAIL AREA.
- PRODUCT SPECIFICATION : PS-43743-001
- COPLANARITY SPECIFICATIONS:
WITH THE MODULAR JACK SITTING ON A LEVEL SURFACE, THE MAXIMUM GAP BETWEEN THE LEVEL SURFACE AND ALL TERMINAL TAILS AND BOTH FITTING NAILS IS .006/(0.15).
- FOR ASSEMBLIES HAVING VOIDED CIRCUITS, THE TAIL PORTION IS CUT AND REMOVED. THE MATING PORTION OF THE TERMINAL REMAINS INTACT. VOIDED CIRCUITS MUST BE THE SAME FOR BOTH PORTS.
- CONVECTION SOLDERING TECHNOLOGY SHOULD BE USED WHEN GANGING MODULAR JACKS WITH INBOARD NAILS SIDE-BY-SIDE.
- THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

PC BOARD LAYOUT FOR 8 POSITION HOUSING
(COMPONENT SIDE OF BOARD)

PC BOARD LAYOUT FOR 6 POSITION HOUSING
(COMPONENT SIDE OF BOARD)

REVISED NOTES EC NO: UCP2009-1244 DRAWN: KLOSTNER 2008/12/10 CHKD: JEBEL 2008/12/10 APPR: FBMITH 2008/12/10	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0
G2	REV	

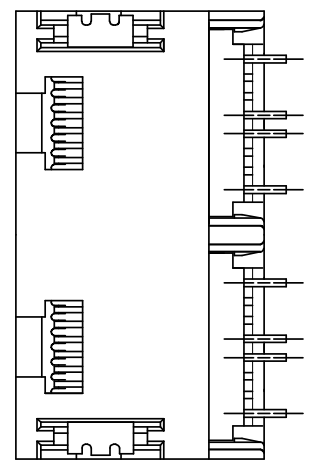
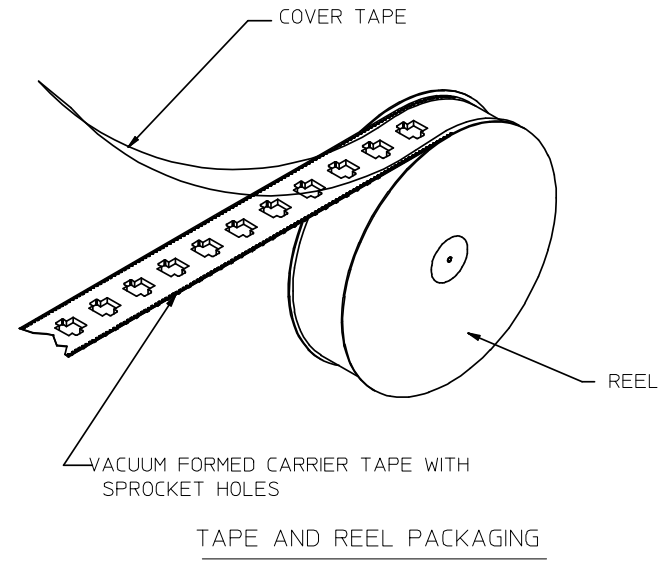
GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE IN/MM	SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
4 PLACES ± --- ± ---	mm	DRAWN BY MUELLER	DATE 98/06/11	TITLE 4, 6, & 8 CIRCUIT DUAL PORT SMT MODULAR JACK W/ FLUSH MOUNT NAILS
3 PLACES ± --- ± .010	INCH	CHECKED BY ROBERTS	DATE 98/06/16	MATERIAL NO. SEE SHT 2
2 PLACES ± .025 ± .015		APPROVED BY EDGLEY	DATE 98/06/17	DOCUMENT NO. SD-44193-001
1 PLACE ± 0.38 ± ---				SHEET NO. 1 OF 2
ANGULAR ± 1/2°				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				

MATERIAL NO. SEE SHT 2		DOCUMENT NO. SD-44193-001		SHEET NO. 1 OF 2
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

2	G1
1	G2
	SHREV

	13	12	11	10	9	8	7	6	5	4	3	2	1
	ASSEMBLY ITEM NO.	CONNECTOR SIZE	CIRCUIT SIZE	TERMINAL PLATING	TAPE & REEL PACKAGING NO.	VOIDED CIRCUITS	HOUSING COLOR						
J	44193-0001	8	4	A	PK-70873-7004	NA	BLACK						
	44193-0002	8	6	A	PK-70873-7004								
	44193-0003	8	8	A	PK-70873-7004								
I	44193-0004	6	4	A	PK-70873-7003								
	44193-0005	6	6	A	PK-70873-7003								
	44193-0006	8	4	B	PK-70873-7004								
H	44193-0007	8	6	B	PK-70873-7004								
	44193-0008	8	8	B	PK-70873-7004								
	44193-0009	6	4	B	PK-70873-7003								
	44193-0010	6	6	B	PK-70873-7003								
G	44193-0011	8	4	C	PK-70873-7004								
	44193-0012	8	6	C	PK-70873-7004								
	44193-0013	8	8	C	PK-70873-7004								
	44193-0014	6	4	C	PK-70873-7003								
F	44193-0015	6	6	C	PK-70873-7003								
	44193-0016	6	2	A	PK-70873-7003								
	44193-0017	6	2	B	PK-70873-7003								
E	44193-0018	6	2	C	PK-70873-7003								

HOUSING SIZE	CIRCUIT SIZE	DIM. A
6	6	.250 (6.35)
6	4	.150 (3.81)
6	2	.050 (1.27)
8	8	.350 (8.89)
8	6	.250 (6.35)
8	4	.150 (3.81)



TYPICAL VIEW SHOWING VOIDED CIRCUIT
(CIRCUITS 2,3,6,7 SHOWN VOIDED)

OBSOLETE 441930019 EC NO: UCP2008-1189 DRAWN: JBELL 2007/11/30 CHKD: LSCHMIDT 2008/02/20 APPR: FSMITH 2008/03/04	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION															
	$\nabla=0$ $\nabla=0$	<table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>3 PLACES</td> <td>±---</td> <td>±.010</td> </tr> <tr> <td>2 PLACES</td> <td>±0.25</td> <td>±.015</td> </tr> <tr> <td>1 PLACE</td> <td>±0.38</td> <td>±---</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	±---	±---	3 PLACES	±---	±.010	2 PLACES	±0.25	±.015	1 PLACE	±0.38	±---	IN/MM	4:1	INCH	
		mm	INCH																		
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3 PLACES	±---	±.010																			
2 PLACES	±0.25	±.015																			
1 PLACE	±0.38	±---																			
DESCRIPTION	APPROVED BY	DATE	TITLE	MOLEX INCORPORATED																	
REV	EDGLEY	98/06/17	2 PORT SMT. JACK ASSY W/FLUSH MOUNT NAILS	DOCUMENT NO.	SD-44193-001	SHEET NO. 2 OF 2															

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SEE CHART

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