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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

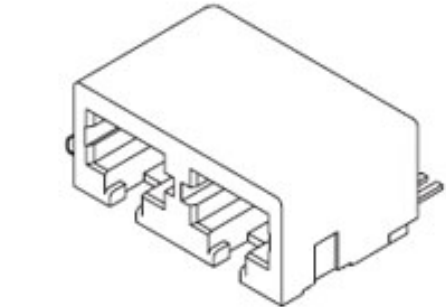


image - Reference only

Series

Documents:

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

General

Product Family	Modular Jacks/Plugs
Series	44193
Comments	Flush Solder Tabs Flush Fitting Nail
Component Type	PCB Jack
Magnetic	No
Overview	modular_plugs_jacks
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](#)

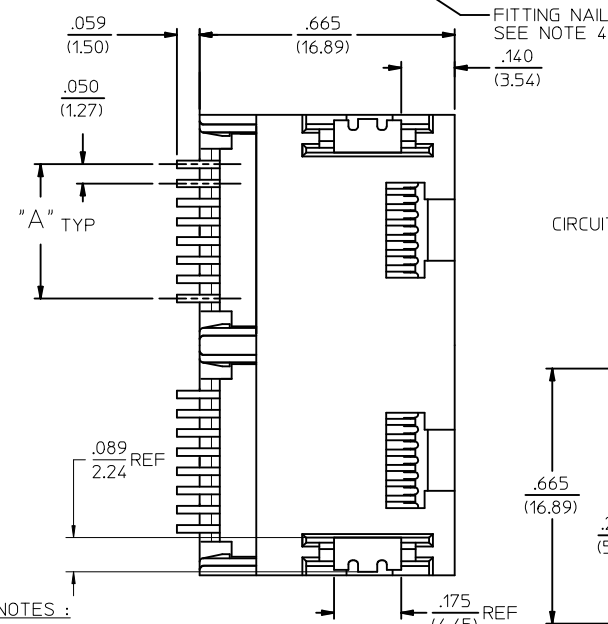
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
44193Series

Mates With
FCC 68 Plugs

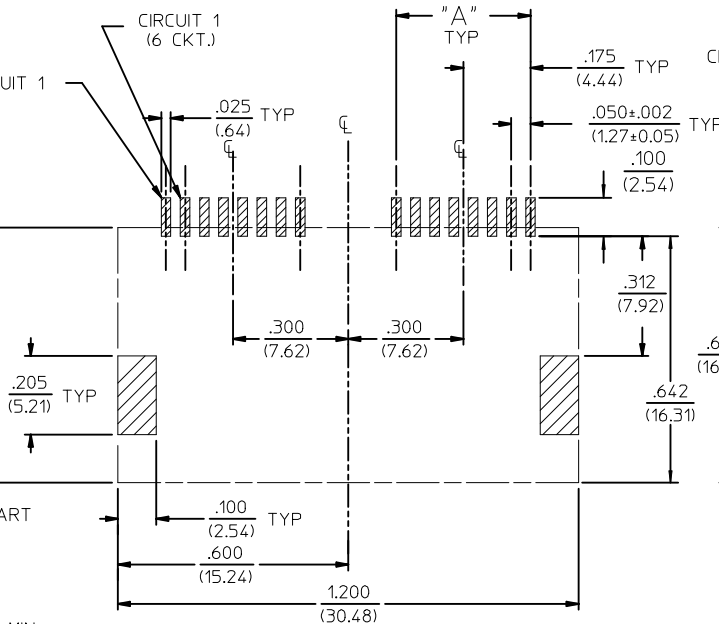
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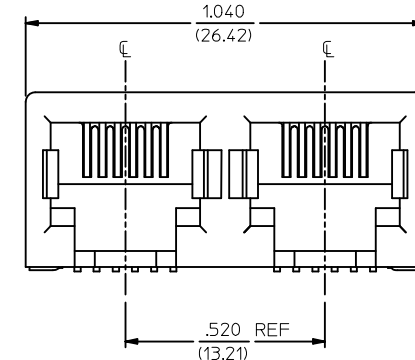
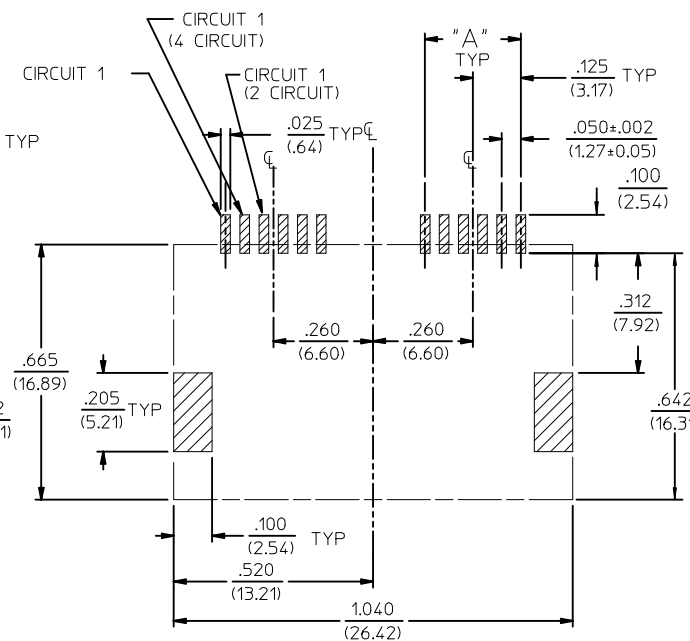


NOTES :

- 1) MATERIALS :
HOUSING : NYLON, GLASS-FILLED, UL94V-0, COLOR - SEE CHART
TERMINALS : PHOSPHOR BRONZE, .012/(0.30)
FITTING NAILS : BRASS ALLOY, .010/(0.25)
- 2) 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.
- 3) PRODUCT SPECIFICATION : PS-43743-001
- 4) 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).
- 5) 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.
- 6) CONVECTION SOLDERING TECHNOLOGY SHOULD BE USED WHEN GANGING MODULAR
JACKS WITH INBOARD NAILS SIDE-BY-SIDE.
- 7) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC
SPECIFICATION PS-45499-002.

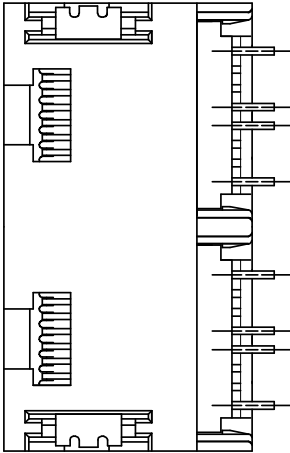


PC BOARD LAYOUT FOR
8 POSITION HOUSING
(COMPONENT SIDE OF BOARD)



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

REVISED NOTES EC NO: UCP2009-1244 DRAWN: JLOSTNER 12/10 CHKD: JRELL 2/008/12/10 APPR: F33MTH 2/008/12/10	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)	mm		INCH		DIMENSION STYLE IN/MM		SCALE 1:1		DESIGN UNITS INCH		THIRD ANGLE PROJECTION			
				4 PLACES ± --- ± ---		± .010		DRAWN BY MUELLER		DATE 98/06/11		TITLE 4, 6, & 8 CIRCUIT DUAL PORT SMT MODULAR JACK W/ FLUSH MOUNT NAILS					
				3 PLACES ± --- ± .010		± .015		CHECKED BY ROBERTS		DATE 98/06/16		MOLEX INCORPORATED					
				2 PLACES ± 0.25 ± .015		± .015		APPROVED BY EDGLEY		DATE 98/06/17							
				1 PLACE ± 0.38 ± ---		± ---											
				ANGULAR ± 1/2°				MATERIAL NO.		DOCUMENT NO.		SHEET NO.					
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE SHT 2		SD-44193-001		1 OF 2					

	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								J																							
	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											I																							
	44193-0005	6	6	A	PK-70873-7003																																		
	44193-0006	8	4	B	PK-70873-7004																																		
	44193-0007	8	6	B	PK-70873-7004																																		
H	44193-0008	8	8	B	PK-70873-7004											H																							
	44193-0009	6	4	B	PK-70873-7003																																		
	44193-0010	6	6	B	PK-70873-7003																																		
	44193-0011	8	4	C	PK-70873-7004																																		
G	44193-0012	8	6	C	PK-70873-7004											G																							
	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											F																							
	44193-0016	6	2	A	PK-70873-7003																																		
	44193-0017	6	2	B	PK-70873-7003																																		
	44193-0018	6	2	C	PK-70873-7003																																		
E	<div><p>TYPICAL VIEW SHOWING VOIDED CIRCUIT (CIRCUITS 2,3,6,7 SHOWN VOIDED)</p></div>														E																								
D															D																								
C															C																								
B															B																								
A															A																								
<div><div><div>OBSOLETE 441930019</div><div>EC NO: UCP2008-1189</div><div>DRWN:JBELL 2007/11/30</div><div>CHKD:LSCHMIDT 2008/02/20</div><div>APPR:FSM1TH 2008/03/04</div></div><div>DESCRIPTION</div><div>REV</div></div> <div><div>QUALITY SYMBOLS</div><div>▽=0</div><div>▽=0</div></div> <div><div>GENERAL TOLERANCES (UNLESS SPECIFIED)</div><table><tr><td></td><td>mm</td><td>INCH</td></tr><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><tr><td colspan="3">ANGULAR ±1/2°</td></tr></table><div>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</div></div> <div><div>DIMENSION STYLE</div><div>IN/MM</div><table><tr><td>DRAWN BY</td><td>DATE</td></tr><tr><td>MUELLER</td><td>98/06/11</td></tr><tr><td>CHECKED BY</td><td>DATE</td></tr><tr><td>ROBERTS</td><td>98/06/16</td></tr><tr><td>APPROVED BY</td><td>DATE</td></tr><tr><td>EDGLEY</td><td>98/06/17</td></tr></table><div>MATERIAL NO.</div><div>SEE CHART</div><div>SIZE</div><div>C</div><div>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</div></div> <div><div>SCALE</div><div>4:1</div><div>DESIGN UNITS</div><div>INCH</div><div>THIRD ANGLE PROJECTION</div><div>TITLE</div><div>2 PORT SMT. JACK ASSY W/FLUSH MOUNT NAILS</div><div><div>MOLEX</div><div>MOLEX INCORPORATED</div></div><div>DOCUMENT NO.</div><div>SD-44193-001</div><div>SHEET NO.</div><div>2 OF 2</div></div>										mm	INCH	4 PLACES	±---	±---	3 PLACES	±---	±.010	2 PLACES	±0.25	±.015	1 PLACE	±0.38	±---	ANGULAR ±1/2°			DRAWN BY	DATE	MUELLER	98/06/11	CHECKED BY	DATE	ROBERTS	98/06/16	APPROVED BY	DATE	EDGLEY	98/06/17	
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