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Part Number: [0441930005](#)
Status: **Active**
Overview: [modular_plugs_jacks](#)
Description: Modular Jack, Right Angle, Low Profile, SMT, 6/6, 2 Ports

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

Agency Certification

CSA LR19980
UL E107635

General

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

Physical

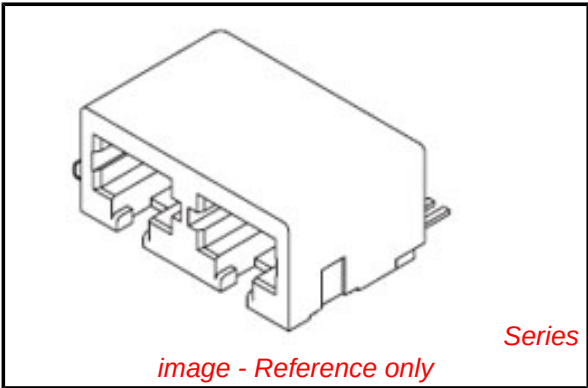
Color - Resin Black
Durability (mating cycles max) 500
Flammability 94V-0
Inverted / Top Latch No
Lightpipes/LEDs None
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Orientation Right Angle (Side Entry)
PCB 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 6/6
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
Shielded No
Voltage - Maximum 125V

Solder Process Data

Duration at Max. Process Temperature (seconds) 30
Lead-free Process Capability Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature 1



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Not 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
[44193Series](#)

Mates With
FCC 68 Plugs

Process Temperature max. C

235

Material Info

Reference - Drawing Numbers

Packaging Specification

PK-70873-700*

Product Specification

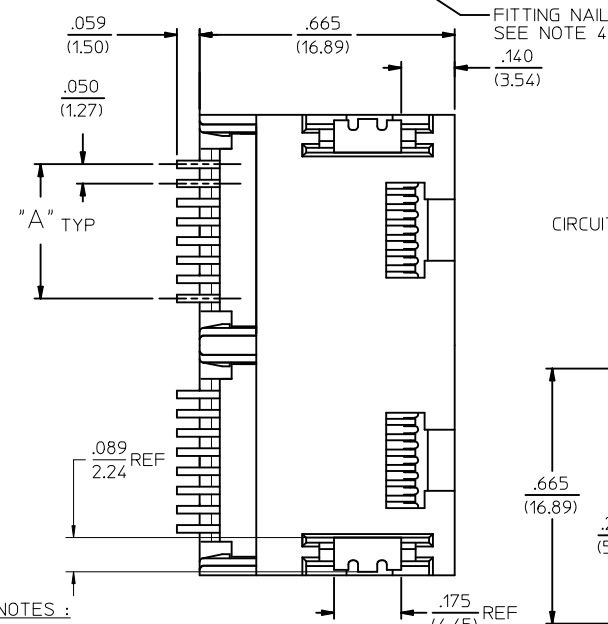
PS-43743-0001

Sales Drawing

SD-44193-001

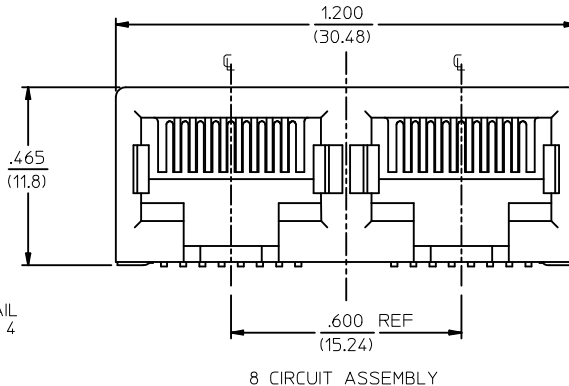
This document was generated on 06/07/2010

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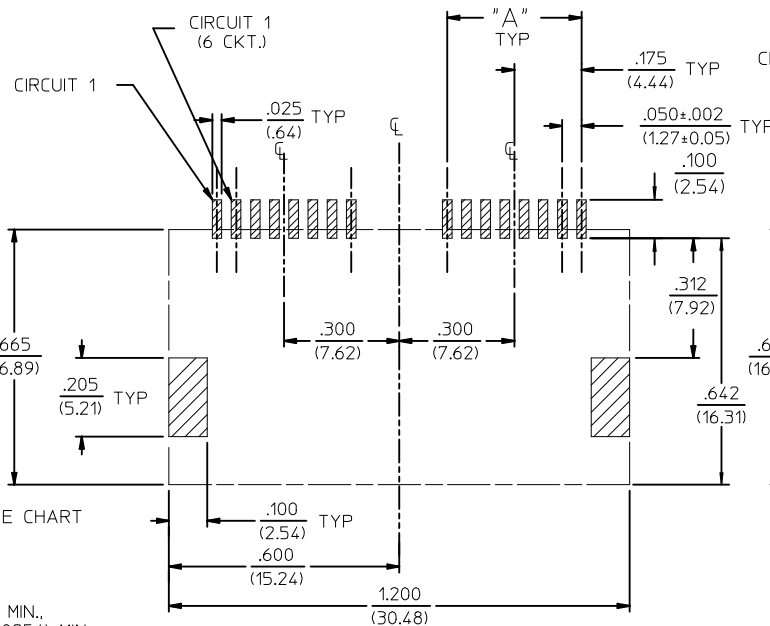


NOTES :

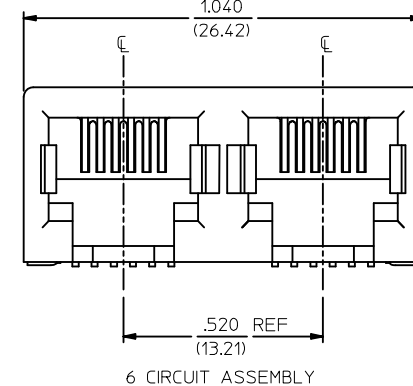
- 1) MATERIALS :
HOUSING : NYLON, GLASS-FILLED, UL94V-0, COLOR - SEE CHART
TERMINALS : PHOSPHOR BRONZE, .012/(0.30)
FITTING NAILS : BRASS ALLOY, .010/(0.25)
- 2) FINISH :
TERMINAL PLATING OPTIONS : (SEE TABLE)
(A) SELECT GOLD IN CONTACT AREA: .000050/(0.00127) MIN.,
*SELECT MATTE TIN IN PC TAIL AREA: .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.



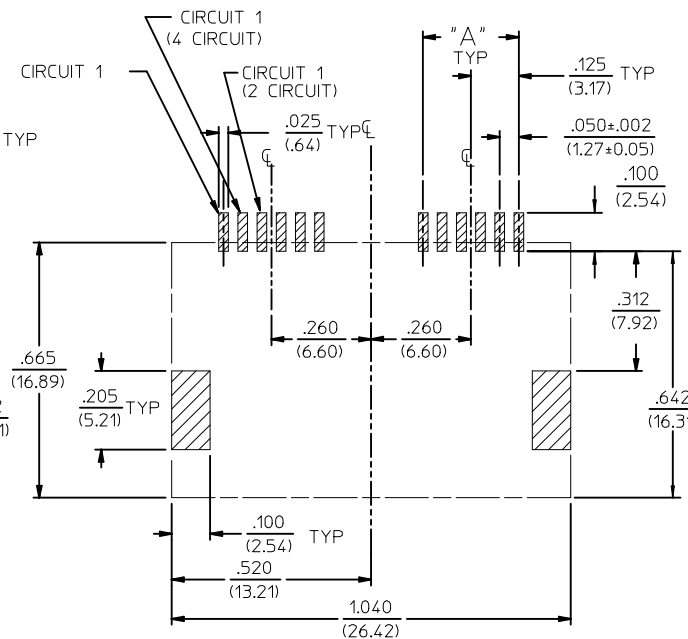
8 CIRCUIT ASSEMBLY



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



6 CIRCUIT ASSEMBLY



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

REVISED NOTES EC NO: UCP2009-1244 DRWN: JLOSTNER 2008/12/10 CHKD: JELL 2008/12/10 APPR: F33MTH 2008/12/10 G2	DESCRIPTION ▽=0 ▽=0 REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
				IN/MM					
			mm	INCH	DRAWN BY	DATE	TITLE		
		4 PLACES ± --- ± ---	3 PLACES ± --- ± .010	MUELLER	98/06/11	4, 6, & 8 CIRCUIT DUAL PORT SMT MODULAR JACK W/ FLUSH MOUNT NAILS			
		2 PLACES ± .025 ± .015	1 PLACE ± .038 ± ---	CHECKED BY	DATE				
				ROBERTS	98/06/16				
				APPROVED BY	DATE				
				EDGLEY	98/06/17	MOLEX	MOLEX INCORPORATED		
				MATERIAL NO.		DOCUMENT NO.	SHEET NO.		
				SEE SHT 2		SD-44193-001		1 OF 2	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							
		SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

	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															E	
D															D	
C															C	
B															B	
A															A	

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)

COVER TAPE

VACUUM FORMED CARRIER TAPE WITH SPROCKET HOLES

REEL

TAPE AND REEL PACKAGING

OBSOLETE 441930019

EC NO: UCP2008-1189

DRWN:JBELL 2007/11/30

CHKD:LSCHMIDT 2008/02/20

APPR:FSM1TH 2008/03/04

DESCRIPTION

REV

QUALITY SYMBOLS

▽=0

▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .015
1 PLACE	± 0.38	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE

IN/MM

DRAWN BY	DATE
MUELLER	98/06/11
CHECKED BY	DATE
ROBERTS	98/06/16
APPROVED BY	DATE
EDGLEY	98/06/17

MATERIAL NO.

SEE CHART

SIZE

C

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SCALE

4:1

DESIGN UNITS

INCH

THIRD ANGLE PROJECTION

TITLE

2 PORT SMT. JACK ASSY
W/FLUSH MOUNT NAILS

molex

MOLEX INCORPORATED

DOCUMENT NO.

SD-44193-001

SHEET NO.

2 OF 2

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

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