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Part Number: [0441930004](#)
Status: **Active**
Overview: [modular_plugs_jacks](#)
Description: Modular Jack, Right Angle, Low Profile, SMT, 6/4, 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

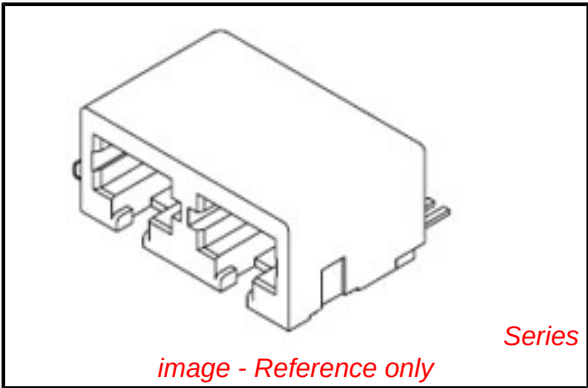
Color - Resin Black
Durability (mating cycles max) 500
Flammability 94V-0
Inverted / Top Latch No
Lightpipes/LEDs None
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Orientation Right Angle (Side Entry)
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 6/4
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

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

Process Temperature max. C

235

Material Info

Reference - Drawing Numbers

Packaging Specification

PK-70873-700*

Product Specification

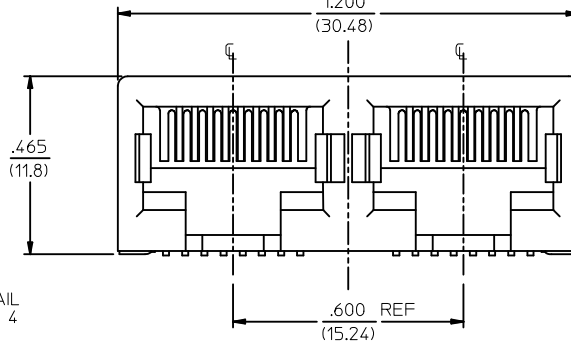
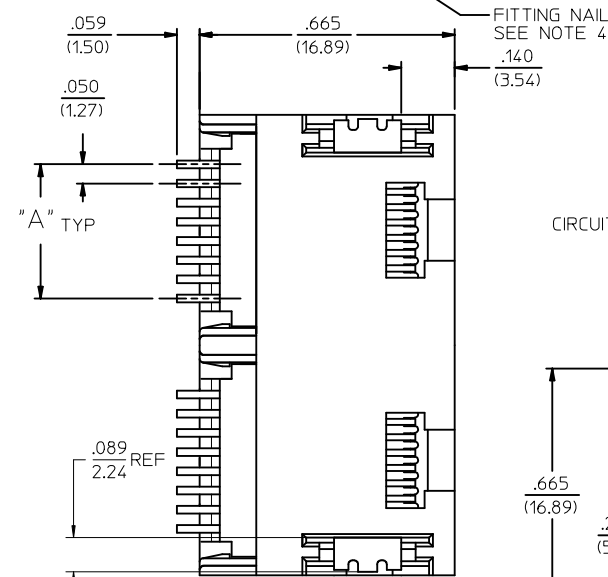
PS-43743-0001

Sales Drawing

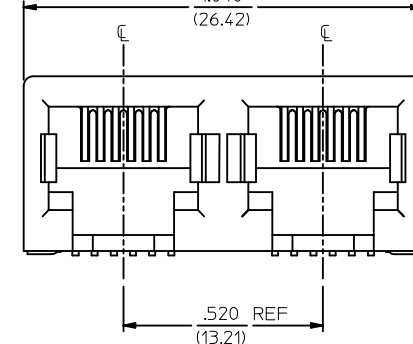
SD-44193-001

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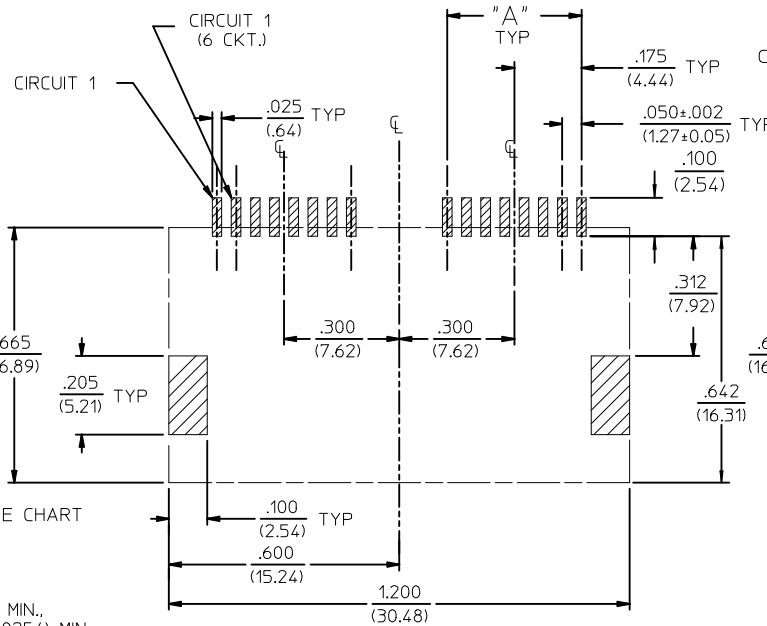
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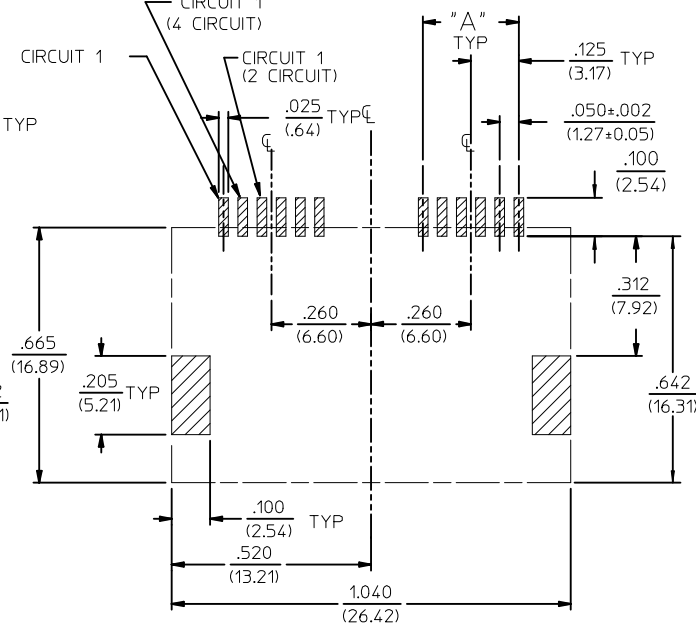
8 CIRCUIT ASSEMBLY



6 CIRCUIT ASSEMBLY



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



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

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.

REVISED NOTES
EC NO: UCP2009-1244
DRAWN: JKLUSTE/ER 2008/12/10
CHKD: JELL 2008/12/10
APPR: F3MITH 2008/12/10

QUALITY
SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES ± ---	± ---	± ---
3 PLACES ± ---	± .010	± .015
2 PLACES ± .25	± .015	± .015
1 PLACE ± .38	± ---	± ---
ANGULAR ± 1/2°		

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
IN/MM

DRAWN BY
MUELLER

CHECKED BY
ROBERTS

APPROVED BY
EDGLEY

DATE
98/06/11

DATE
98/06/16

DATE
98/06/17

SCALE
1:1

DESIGN UNITS
INCH

THIRD ANGLE
PROJECTION

TITLE
4, 6, & 8 CIRCUIT DUAL
PORT SMT MODULAR JACK
W/ FLUSH MOUNT NAILS

MOLEX INCORPORATED

MATERIAL NO.
SEE SHT 2

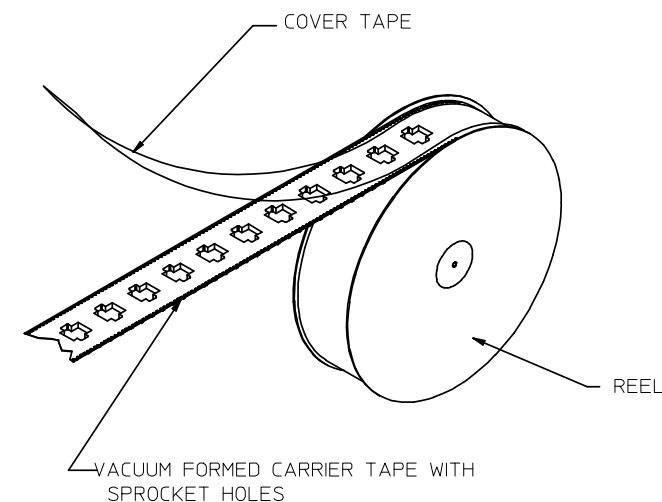
DOCUMENT NO.
SD-44193-001

SHEET NO.
1 OF 2

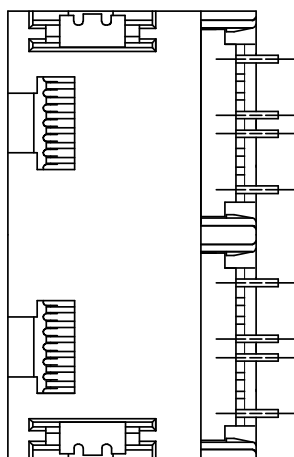
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[illegible]

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)



TAPE AND REEL PACKAGING



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

OBSOLETE 441930019 EC NO: UCP2008-1189 2007/11/30 2008/02/10 2008/03/04	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY MUELLER	DATE 98/06/11	TITLE 2 PORT SMT. JACK ASSY W/FLUSH MOUNT NAILS				
			4 PLACES	± ---	± ---	CHECKED BY ROBERTS					
			3 PLACES	± ---	± .010	APPROVED BY EDGLEY	DATE 98/06/17	MOLEX MOLEX INCORPORATED		DOCUMENT NO. SD-44193-001	
2 PLACES	± 0.25	± .015	ANGULAR ±1/2°		MATERIAL NO. SEE CHART						
1 PLACE	± 0.38	± ---			SIZE THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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