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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

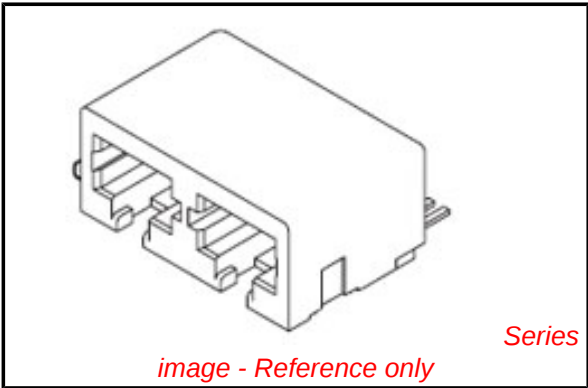
Color - Resin Black
Durability (mating cycles max) 500
Flammability 94V-0
Inverted / Top Latch No
Lightpipes/LEDs None
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Orientation Right Angle (Side Entry)
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. C235

Material Info

Reference - Drawing Numbers

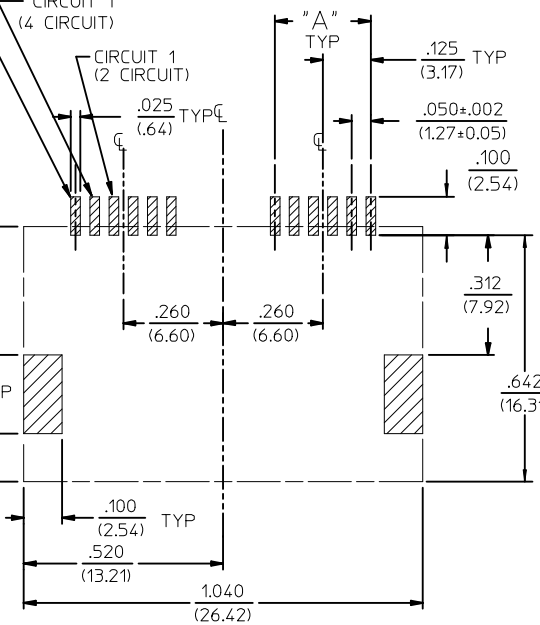
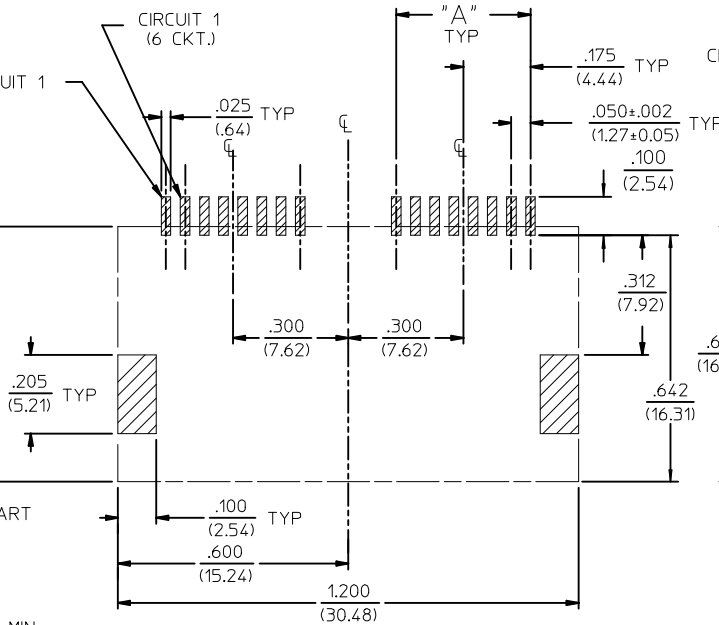
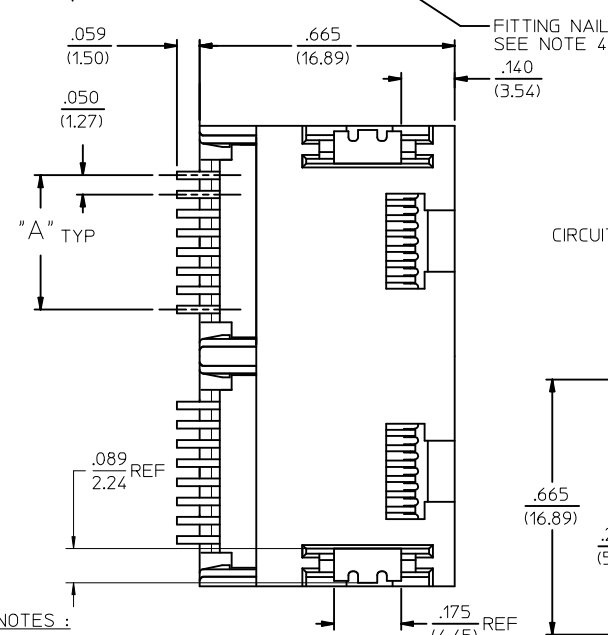
Packaging SpecificationPK-70873-700*

Product SpecificationPS-43743-0001

Sales DrawingSD-44193-001

This document was generated on 06/07/2010

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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: JLOSTNER 08/12/10
CHKD: JELL 2/08/08/12/10
APPR: F33MITH 2/08/08/12/10

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

DATE
98/06/11

CHECKED BY
ROBERTS

DATE
98/06/16

APPROVED BY
EDGLEY

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

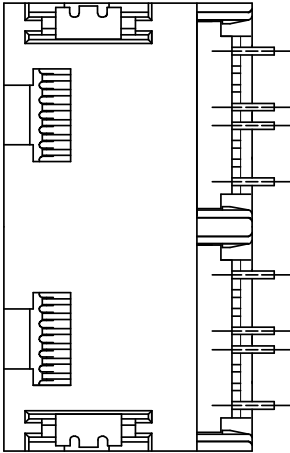
MOLEX INCORPORATED

MATERIAL NO.
SEE SHT 2

DOCUMENT NO.
SD-44193-001

SHEET NO.
1 OF 2

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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	 TYPICAL VIEW SHOWING VOIDED CIRCUIT (CIRCUITS 2,3,6,7 SHOWN VOIDED)														E																																												
D															D																																												
C															C																																												
B															B																																												
A															A																																												
<div><div><div><div><div>OBSOLETE 441930019</div><div>EC NO: UCP2008-1189</div><div>DRWN:JBELL</div><div>CHKD:LSCHMIDT</div><div>APPR:FSM1TH</div></div><div><div>2007/11/30</div><div>2008/02/20</div><div>2008/03/04</div></div></div><div><div>DESCRIPTION</div><div>REV</div></div></div><div><div>QUALITY SYMBOLS</div><div>▽=0</div><div>▽=0</div></div><div><div>GENERAL TOLERANCES (UNLESS SPECIFIED)</div><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><div>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</div></div><div><div>DIMENSION STYLE</div><div>IN/MM</div><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><div><div>MATERIAL NO.</div><div>SEE CHART</div><div>SIZE</div><div>C</div></div><div><div>TITLE</div><div>2 PORT SMT. JACK ASSY W/FLUSH MOUNT NAILS</div></div><div><div>SCALE</div><div>4:1</div><div>DESIGN UNITS</div><div>INCH</div><div>THIRD ANGLE PROJECTION</div></div><div><div>MOLEX INCORPORATED</div><div>DOCUMENT NO.</div><div>SD-44193-001</div><div>SHEET NO.</div><div>2 OF 2</div></div><div><div colspan="2">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</div></div></div></div> <div><div><table><tr><th>HOUSING SIZE</th><th>CIRCUIT SIZE</th><th>DIM. A</th></tr><tr><td>6</td><td>6</td><td>.250 (6.35)</td></tr><tr><td>6</td><td>4</td><td>.150 (3.81)</td></tr><tr><td>6</td><td>2</td><td>.050 (1.27)</td></tr><tr><td>8</td><td>8</td><td>.350 (8.89)</td></tr><tr><td>8</td><td>6</td><td>.250 (6.35)</td></tr><tr><td>8</td><td>4</td><td>.150 (3.81)</td></tr></table></div><div><div><div>COVER TAPE</div><div>VACUUM FORMED CARRIER TAPE WITH SPROCKET HOLES</div><div>REEL</div></div><div>TAPE AND REEL PACKAGING</div></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	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)
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- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
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- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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JONHON

«JONHON» (основан в 1970 г.)

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(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: ocean@oceanchips.ru

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А