

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0441440017](#)
Status: **Active**
Overview: [modular_plugs_jacks](#)
Description: Modular Jack, Right Angle, Low Profile, SMT, 6/2

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 [44144](#)
Comments Flush Solder Tabs
Component Type PCB Jack
Magnetic No
Overview [modular_plugs_jacks](#)
Performance Category 3
Power over Ethernet (PoE) N/A
Product Name RJ11

Physical

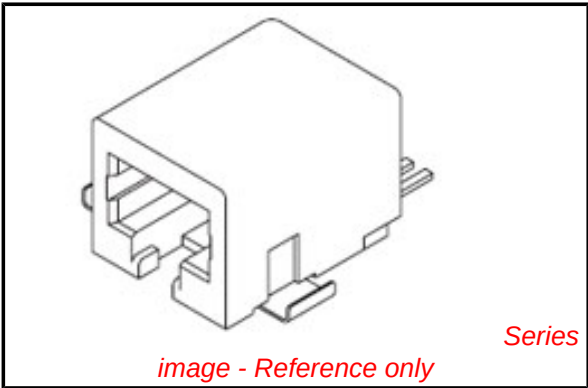
Color - Resin Black
Durability (mating cycles max) 500
Flammability 94V-0
Inverted / Top Latch No
Lightpipes/LEDs None
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Orientation Right Angle (Side Entry)
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 1
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
Shielded No
Voltage - Maximum 125V

Solder Process Data

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



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
[44144Series](#)

Mates With
FCC 68 Plugs

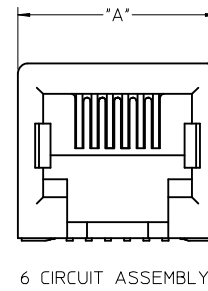
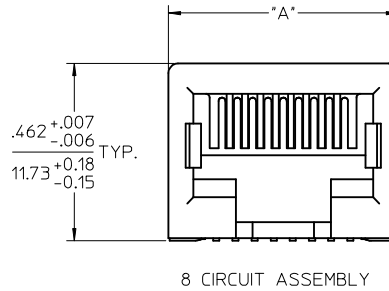
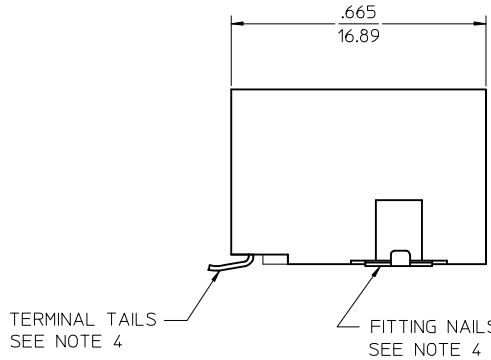
Material Info

Reference - Drawing Numbers

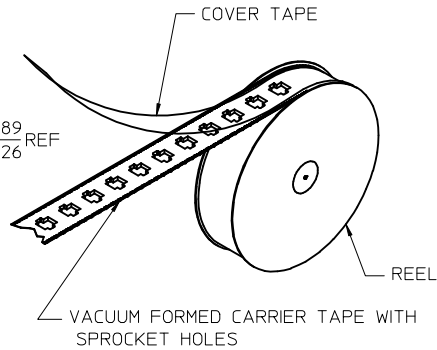
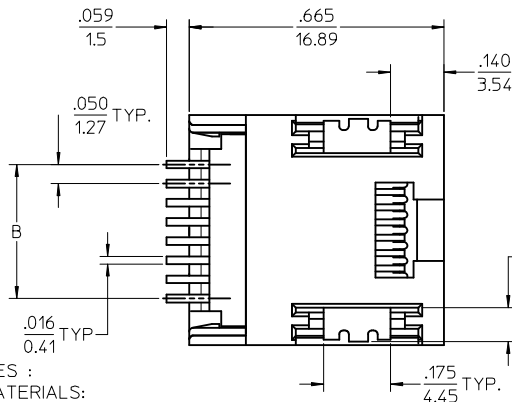
Packaging Specification	PK-70873-700*
Product Specification	PS-43743-0001
Sales Drawing	SD-44144-001

This document was generated on 06/07/2010

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HOUSING SIZE	CIRCUIT SIZE	DIM. A	DIM. B
6	6	.520 (13.21)	.250 (6.35)
6	4	.520 (13.21)	.150 (3.81)
6	2	.520 (13.21)	.050 (1.27)
8	8	.600 (15.24)	.350 (8.89)
8	6	.600 (15.24)	.250 (6.35)



- NOTES :
- 1) MATERIALS:
HOUSING: NYLON, GLASS-FILLED, UL94V-0, COLOR - SEE CHART
TERMINALS: PHOSPHOR BRONZE, .012/(0.30) THICK
FITTING NAILS: BRASS ALLOY, .010/(0.25) THICK
- 2) FINISH:
TERMINALS:
(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 AND/OR FITTING NAILS.
- 3) PRODUCT SPECIFICATION: PS-43743-001
- 4) COPLANARITY SPECIFICATION:
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.
- 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.

ASSEMBLY ITEM NO.	CONNECTOR SIZE	CIRCUIT SIZE	TERMINAL PLATING	TAPE & REEL PACKAGING No.	VOIDED CIRCUITS	HOUSING COLOR
44144-0001	8	4	A	PK-70873-7002	NA	BLACK
44144-0002	8	6	A	PK-70873-7002		
44144-0003	8	8	A	PK-70873-7002		
44144-0004	6	4	A	PK-70873-7001		
44144-0005	6	6	A	PK-70873-7001		
44144-0006	8	4	B	PK-70873-7002		
44144-0007	8	6	B	PK-70873-7002		
44144-0008	8	8	B	PK-70873-7002		
44144-0009	6	4	B	PK-70873-7001		
44144-0010	6	6	B	PK-70873-7001		
44144-0011	8	4	C	PK-70873-7002		
44144-0012	8	6	C	PK-70873-7002		
44144-0013	8	8	C	PK-70873-7002		
44144-0014	6	4	C	PK-70873-7001		
44144-0015	6	6	C	PK-70873-7001	NA	
44144-0016	8	4	C	PK-70873-7001	2,3,6,7	
44144-0017	6	2	A	PK-70873-7001	NA	
44144-0018	6	2	B	PK-70873-7001		
44144-0019	6	2	C	PK-70873-7001		
44144-0023	8	2	A	PK-70873-7002	NA	

2	G
1	H4
SH	REV

REVISED NOTES
EC NO: UCP2009-1244
DRWN:JKLOSTEWER2008/12/10
CHKD:JBELL 2008/12/10
APPR:FSMITH 2008/12/10
H4

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 98/03/13
CHECKED BY DATE
ROBERTS 98/03/16
APPROVED BY DATE
R EDGLEY 98/03/17
MATERIAL NO.
DOCUMENT NO.
SHEET NO.
1 OF 2

THIRD ANGLE PROJECTION
4, 6, 8 CIRCUIT SMT
MODULAR JACK W/ FLUSH
FITTING NAILS
MOLEX INCORPORATED
SD-44144-001
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

tb_frame_C_P_ME_T Rev. E 2006/04/15

J

1

H

G

F

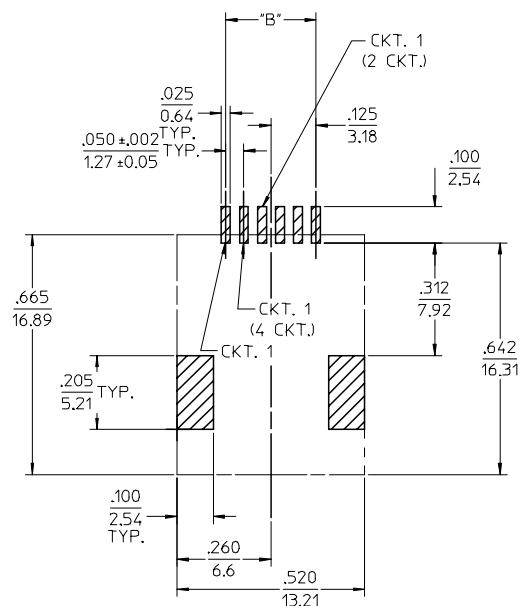
E

D

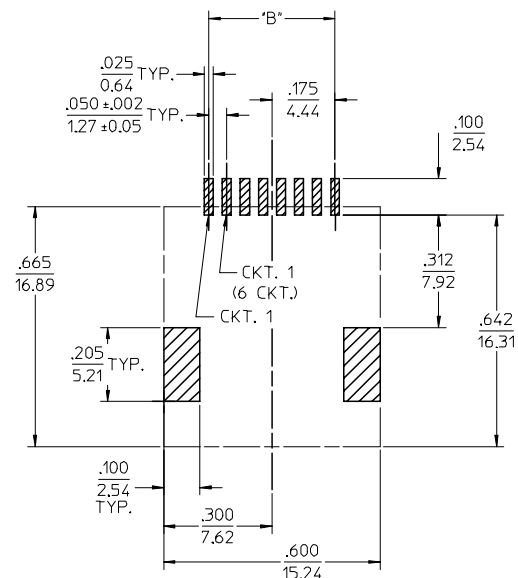
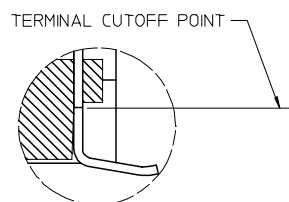
5

B

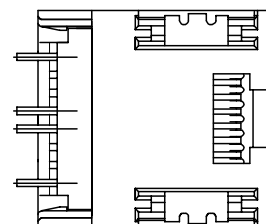
A



PCB LAYOUT FOR CONNECTOR SIZE 6
(COMPONENT SIDE OF BOARD)

PCB LAYOUT FOR CONNECTOR SIZE 8
(COMPONENT SIDE OF BOARD)

VIEW SHOWING TYPICAL TERMINAL
CUTOFF OF TAIL (SEE NOTE 5) FOR VOIDED CIRCUITS.



TYPICAL VIEW SHOWING VOIDED CIRCUIT
44144-0016 SHOWN

SEE SHEET ONE	EC NO: UCP2004-0798		DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			SCALE 4:1	DESIGN UNITS INCH		THIRD ANGLE PROJECTION	REVISE ON CAD ONLY		
					mm	INCH	DIMENSION STYLE IN/MM		4, 6, 8 CIRCUIT SMT MODULAR JACK W/ FLUSH FITTING NAILS MOLEX MOLEX INCORPORATED					
	4 PLACES ± --- ± ---						DRAWN BY DATE							
	3 PLACES ± --- ± .010						DSTAMBAU 00/04/07							
	2 PLACES ± 0.25 ± .015						CHECKED BY DATE							
	1 PLACE ± 0.38 ± ---						BWIRKUS 00/04/07		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
	ANGULAR ± 1/2°						APPROVED BY DATE		SEE CHART		SD-4444-001		2 OF 2	
	DRAFT WHERE APPLICABLE						R EDGLEY 00/04/07		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
	MUST REMAIN WITHIN DIMENSIONS													
REV		C												

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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
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