

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0432236143](#)
Status: **Active**
Overview: [modular_plugs_jacks](#)
Description: Modular Jack, Right Angle, Low Profile, 6/2, 2 Ports

Documents:
[3D Model](#) [Product Specification PS-43223-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E107635

General

Product Family Modular Jacks/Plugs
Series [43223](#)
Component Type PCB Jack
Magnetic No
Overview [modular_plugs_jacks](#)
Performance Category 3
Power over Ethernet (PoE) N/A
Product Name RJ11

Physical

Boot Color N/A
Color - Resin Black
Durability (mating cycles max) 500
Flammability 94V-0
Inverted / Top Latch No
Keying to Mating Part None
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 Locator Yes
PCB Retention Yes
PCB Thickness Recommended (in) 0.062 In
PCB Thickness Recommended (mm) 1.57 mm
Packaging Type Tray
Panel Mount Without Flange
Pitch - Mating Interface (in) 0.040 In
Pitch - Mating Interface (mm) 1.02 mm
Pitch - Term. Interface (in) 0.050 In
Pitch - Term. Interface (mm) 1.27 mm
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) No
Temperature Range - Operating -40°C to +85°C
Termination Interface: Style Through Hole
Waterproof / Dustproof No

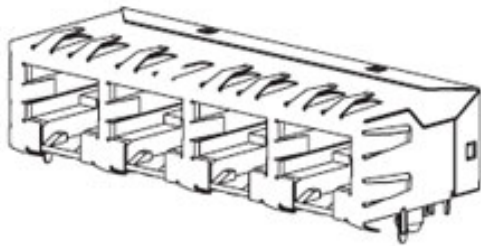


image - Reference only

Series

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
[43223Series](#)

Mates With
FCC 68 Plugs

Wire/Cable Type	N/A
Electrical	
Current - Maximum per Contact	1.5A
Grounding to PCB	Yes
Grounding to Panel	None
Shielded	No
Voltage - Maximum	150V AC (RMS)
Solder Process Data	
Lead-free Process Capability	Wave Capable (TH only)
Material Info	
Old Part Number	A432236143
Reference - Drawing Numbers	
Packaging Specification	PK-43249-004
Product Specification	PS-43223-001
Sales Drawing	SDA-43223
Test Summary	TS-43223-001

This document was generated on 06/07/2010

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NOTES:

1) MATERIAL:

HOUSING: GLASS FILLED NYLON, UL94V-0, COLOR: BLACK
INSULATOR: GLASS FILLED NYLON, UL94V-0, COLOR: BLACK
TERMINALS: PHOSPHOR BRONZE: .012/ 0.30 THICK

2) FINISH:

TERMINALS:

SELECT GOLD IN CONTACT AREA: 50 MICROINCHES/ 1.27 MICROMETERS MIN.,
*SELECT TIN IN PC TAIL AREA: 100 MICROINCHES/ 2.54 MICROMETERS MIN.,
WITH OVERALL NICKEL UNDERPLATE: 50 MICROINCHES/ 1.27 MICROMETERS MIN.
*THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS
DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC".
CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD
IN THE PC TAIL AREA.

3) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-43223-001.

4) PACKAGING SPECIFICATION:

UNSHIELDED CONNECTOR ASSEMBLIES PACKAGED IN TRAYS PER MOLEX
PACKAGING SPECIFICATION PK-43249-004.

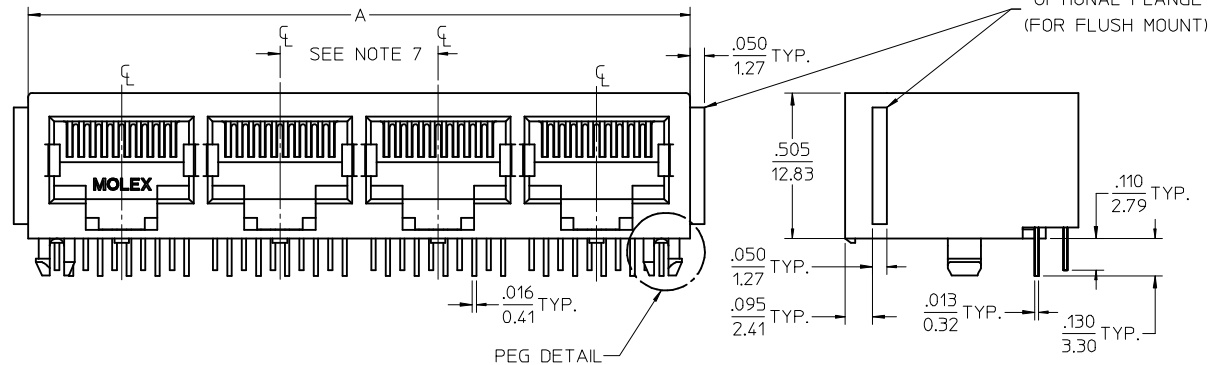
5) SEE SHEETS 4-6 FOR P.C. BOARD LAYOUTS.

6) SEE SHEET 2 FOR THE SHIELDED JACK ASSEMBLY.

7) FOR 6 CIRCUIT JACKS CENTERLINE TO CENTERLINE SPACING IS .448/ 11.38, FOR 8 CIRCUIT JACKS CENTERLINE TO CENTERLINE SPACING IS .550/ 13.97.

8) ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.

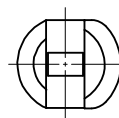
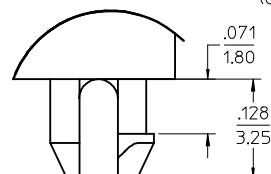
9) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.



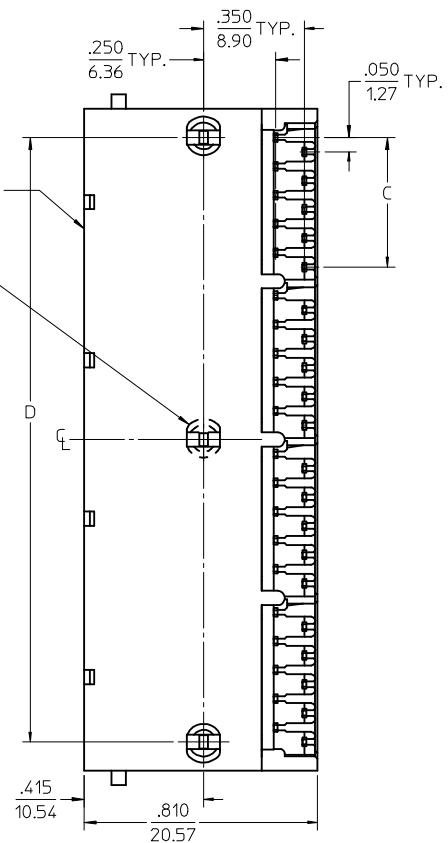
4 PORT 8 LOADED
10 JACK SHOWN

UNSHIELDED GANGED JACK ASSEMBLY
SEE SHEET 3

CENTER PEG
(8 PORT ASSY. ONLY)



SNAP-FIT
PEG DETAIL
SCALE 8:1



6 CIRCUIT HOUSING

CIRCUIT SIZE	NO. OF PORTS	DIM. A	DIM. C	DIM. D
6	2	.985 (25.02)	.250 (6.35)	.848 (21.54)
4	2	.985 (25.02)	.150 (3.81)	.848 (21.54)
2	2	.985 (25.02)	.050 (1.27)	.848 (21.54)
6	3	1.433 (36.40)	.250 (6.35)	1.296 (32.92)
4	3	1.433 (36.40)	.150 (3.81)	1.296 (32.92)
2	3	1.433 (36.40)	.050 (1.27)	1.296 (32.92)
6	4	1.881 (47.78)	.250 (6.35)	1.744 (44.30)
4	4	1.881 (47.78)	.150 (3.81)	1.744 (44.30)
2	4	1.881 (47.78)	.050 (1.27)	1.744 (44.30)
6	5	2.329 (59.16)	.250 (6.35)	2.192 (55.68)
4	5	2.329 (59.16)	.150 (3.81)	2.192 (55.68)
2	5	2.329 (59.16)	.050 (1.27)	2.192 (55.68)
6	6	2.777 (70.54)	.250 (6.35)	2.640 (67.06)
4	6	2.777 (70.54)	.150 (3.81)	2.640 (67.06)
2	6	2.777 (70.54)	.050 (1.27)	2.640 (67.06)
6	8	3.673 (93.29)	.250 (6.35)	3.536 (89.81)
4	8	3.673 (93.29)	.150 (3.81)	3.536 (89.81)
2	8	3.673 (93.29)	.050 (1.27)	3.536 (89.81)

8 CIRCUIT HOUSING

CIRCUIT SIZE	NO. OF PORTS	DIM. A	DIM. C	DIM. D
10	2	1.200 (30.48)	.450 (11.43)	1.000 (25.40)
8	2	1.200 (30.48)	.350 (8.89)	1.000 (25.40)
6	2	1.200 (30.48)	.250 (6.35)	1.000 (25.40)
10	3	1.750 (44.45)	.450 (11.43)	1.550 (39.37)
8	3	1.750 (44.45)	.350 (8.89)	1.550 (39.37)
6	3	1.750 (44.45)	.250 (6.35)	1.550 (39.37)
4	3	1.750 (44.45)	.150 (3.81)	1.550 (39.37)
10	4	2.300 (58.42)	.450 (11.43)	2.100 (53.34)
8	4	2.300 (58.42)	.350 (8.89)	2.100 (53.34)
4	4	2.300 (58.42)	.150 (3.81)	2.100 (53.34)
4	5	2.850 (72.39)	.150 (3.81)	2.650 (67.31)
10	5	2.850 (72.39)	.450 (11.43)	2.650 (67.31)
8	5	2.850 (72.39)	.350 (8.89)	2.650 (67.31)
10	6	3.400 (86.36)	.450 (11.43)	3.200 (81.28)
8	6	3.400 (86.36)	.350 (8.89)	3.200 (81.28)
10	8	4.500 (114.30)	.450 (11.43)	4.300 (109.22)
8	8	4.500 (114.30)	.350 (8.89)	4.300 (109.22)

ADD BLOCK TOL
EC NO: UCP2009-0477
DRWN: BELL
CHKD: BELL
APPR: FSMITH

2008/09/05
2008/09/11
2008/09/11

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± .005	± .0005
3 PLACES	± .005	± .0005
2 PLACES	± 0.008	± .0005
1 PLACE	± .005	± .0005

ANGULAR ± 1/2°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
IN/MM

DRAWN BY
JTR

DATE
1993/10/18

CHECKED BY
JTR

DATE
1993/10/18

APPROVED BY
RAS

DATE
1993/10/18

MATERIAL NO.
SEE SHTS 3

SIZE
C

SCALE
3:1

DESIGN UNITS
INCH

THIRD ANGLE PROJECTION

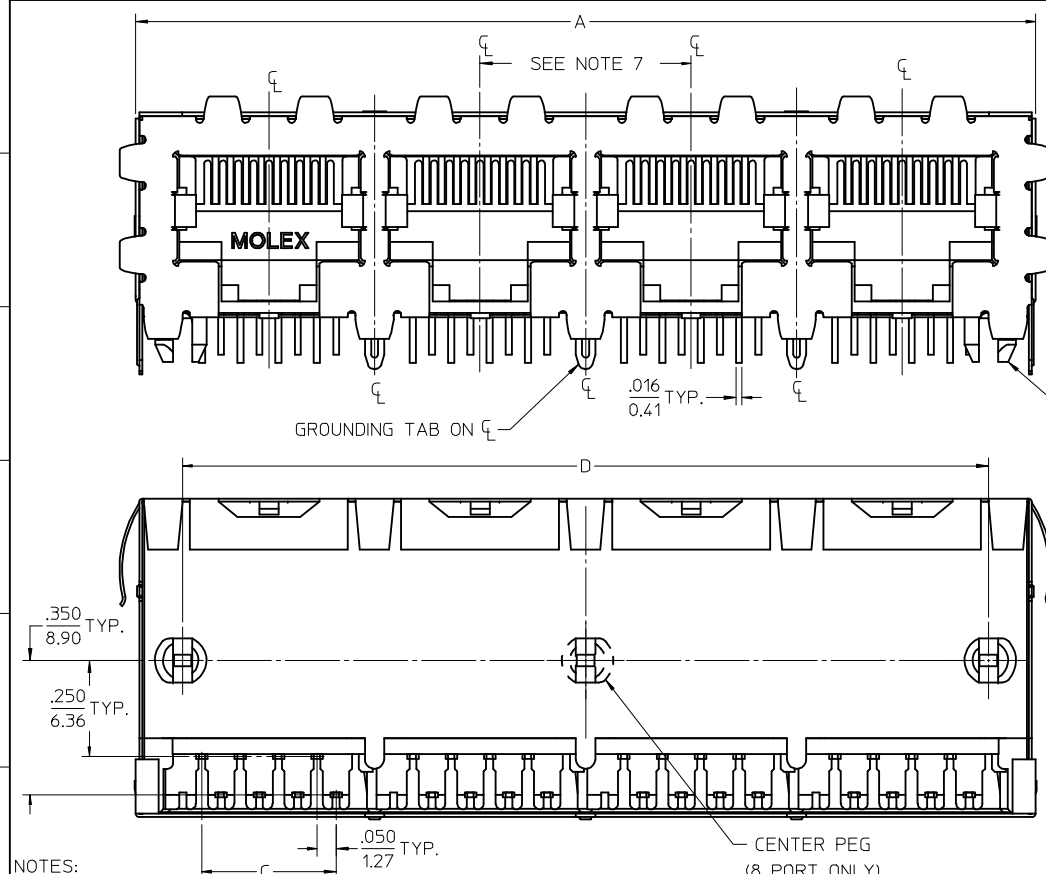
LOW PROFILE GANGED,
RIGHT ANGLE MODULAR JACK
ASSEMBLY

MOLEX INCORPORATED

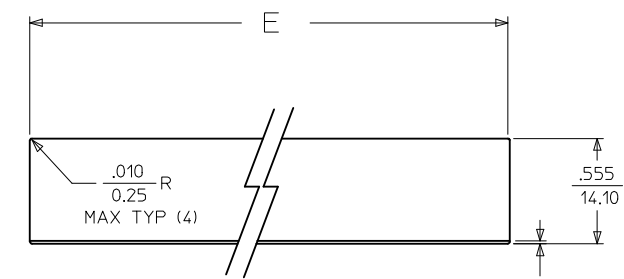
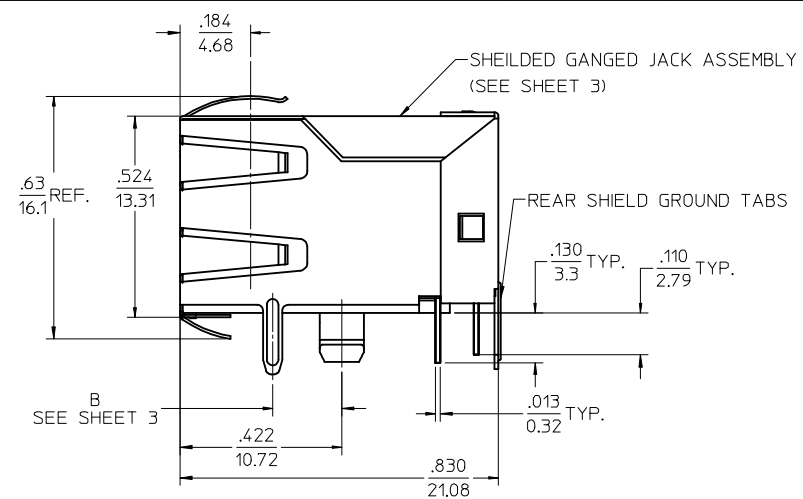
DOCUMENT NO.
SDA-43223

SHEET NO.
1 OF 6

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

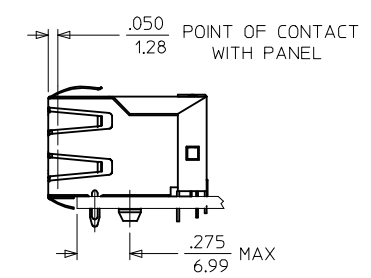


- NOTES:
- 1) MATERIAL:
HOUSING: GLASS FILLED NYLON, UL94V-0, COLOR: BLACK
INSULATOR: GLASS FILLED NYLON, UL94V-0, COLOR: BLACK
TERMINALS: PHOSPHOR BRONZE: .012/ 0.30 THICK
SHIELD: BRASS, FRONT .007/ 0.18 THICK, REAR .010/ 0.25 THICK
 - 2) FINISH:
TERMINALS:
SELECT GOLD IN CONTACT AREA: 50 MICROINCHES/ 1.27 MICROMETERS MIN.,
*SELECT TIN IN PC TAIL AREA: 100 MICROINCHES/ 2.54 MICROMETERS MIN.,
WITH OVERALL NICKEL UNDERPLATE: 50 MICROINCHES/ 1.27 MICROMETERS MIN.
SHIELD:
*100 MICROINCHES/ 2.54 MICROMETERS NICKEL OVER 50 MICROINCHES/ 1.27 MICROMETERS COPPER UNDERPLATE. PCB GROUND TABS DIPPED IN TIN
*THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC". CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD IN THE PC TAIL AND/OR SHIELD.
 - 3) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-43223-001.
 - 4) PACKAGING SPECIFICATION:
SHIELDED CONNECTOR ASSEMBLIES PACKAGED IN TRAYS PER MOLEX PACKAGING SPECIFICATION PK-44150-004.
 - 5) SEE SHEETS 4-6 FOR P.C. BOARD LAYOUTS.
 - 6) REAR SHIELD IS AVAILABLE WITH (1) CENTERED GROUND TAB ON 4 & 8 PORT VERSIONS.
 - 7) 8 CIRCUIT JACKS CENTERLINE TO CENTERLINE SPACING IS .550/ 13.97.
 - 8) ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.
 - 9) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.



SUGGESTED PANEL OPENING

SCALE : 2/1



4 PORT 8 LOADED
8 JACK SHOWN

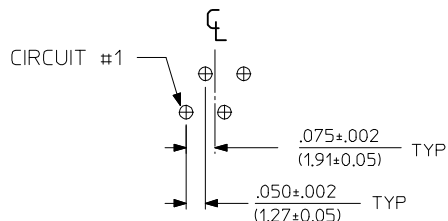
HOUSING SIZE	CIRCUIT SIZE	NO. OF PORTS	DIM. A	DIM. C	DIM. D	DIM. E
8	8	2	1.224 (31.09)	.350 (8.89)	1.000 (25.40)	1.255 (31.88)
8	8	4	2.324 (59.03)	.350 (8.89)	2.100 (53.34)	2.355 (59.82)
8	8	6	3.424 (86.97)	.350 (8.89)	3.200 (81.28)	3.455 (87.76)
8	8	8	4.524 (114.91)	.350 (8.89)	4.300 (109.22)	4.555 (115.97)
8	2	8	4.524 (114.91)	.050 (1.27)	4.300 (109.22)	4.555 (115.97)

SEE SHEET 1 EC NO: UCP2009-0477 DRWN:JBELL CHKD:JBELL APPR:FSM/TH 2008/09/05 2008/09/11 2008/09/11	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION														
		<table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES ± ---</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES ± ---</td> <td>± .015</td> <td>± ---</td> </tr> <tr> <td>2 PLACES ± 0.38</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>1 PLACE ± ---</td> <td>± ---</td> <td>± ---</td> </tr> </table>			mm	INCH	4 PLACES ± ---	± ---	± ---	3 PLACES ± ---	± .015	± ---	2 PLACES ± 0.38	± ---	± ---	1 PLACE ± ---	± ---	± ---	DRAWN BY JTR DATE 1993/10/18		TITLE LOW PROFILE GANGED, RIGHT ANGLE MODULAR JACK ASSEMBLY	
			mm	INCH																		
		4 PLACES ± ---	± ---	± ---																		
3 PLACES ± ---	± .015	± ---																				
2 PLACES ± 0.38	± ---	± ---																				
1 PLACE ± ---	± ---	± ---																				
APPROVED BY RAS DATE 1993/10/18		MATERIAL NO. SEE SHTS 3		DOCUMENT NO. SDA-43223																		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																		

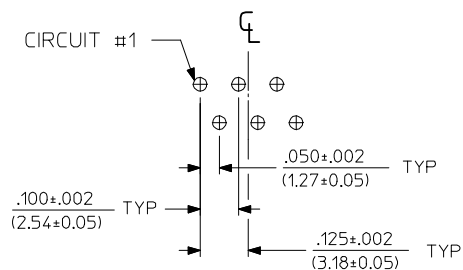
[illegible]



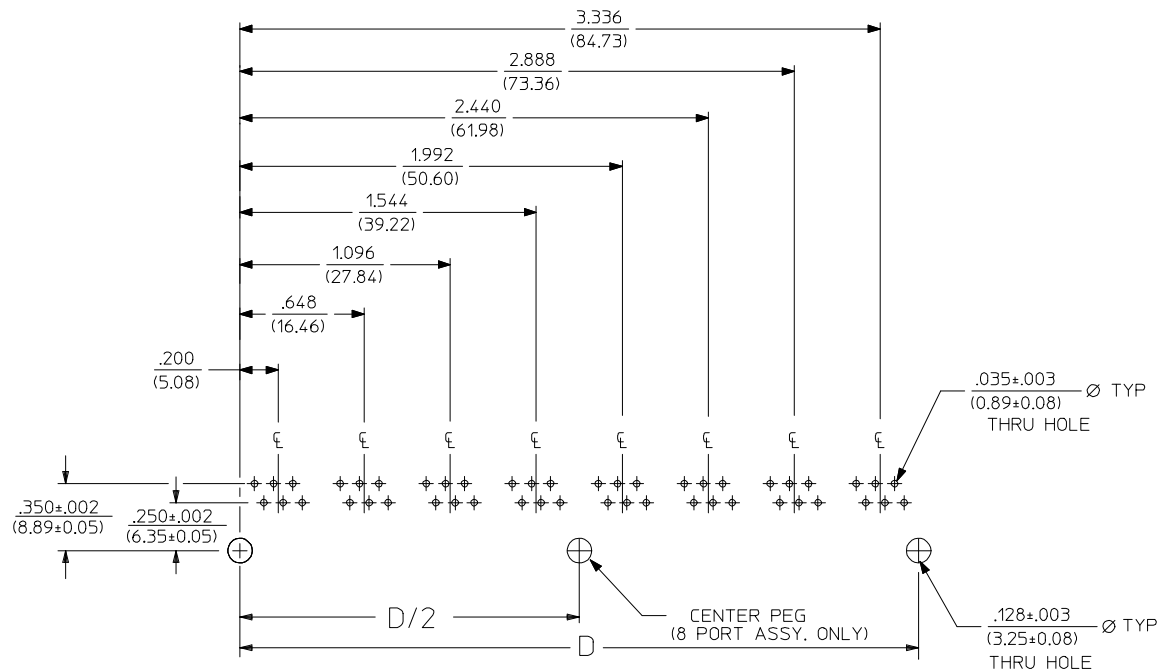
6 LOADED 2 DETAIL
SCALE: 4/1



6 LOADED 4 DETAIL
SCALE: 4/1



6 LOADED 6 DETAIL
SCALE: 4/1

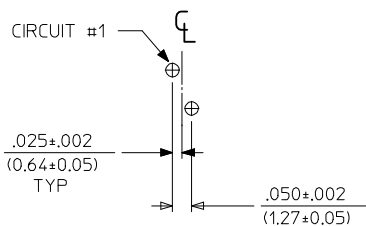


SUGGESTED P.C. BOARD LAYOUT
COMPONENT SIDE OF BOARD
8 PORT, 6 LOADED 6, LAYOUT SHOWN
(SNAP-FIT VERSIONS)

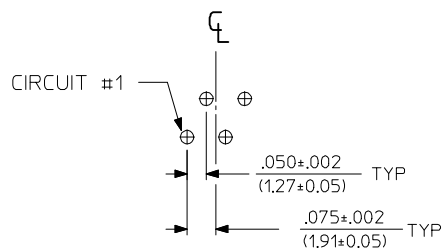
NOTES:
1. RECOMMENDED PCB THICKNESS .062±.005/(1.57±0.13)

NUMBER OF PORTS	DIM. D
2	.848 (21.54)
3	1.296 (32.92)
4	1.744 (44.30)
5	2.192 (55.68)
6	2.640 (67.06)
8	3.536 (89.81)

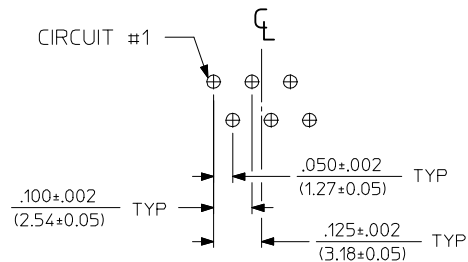
SEE SHEET 1 EC NO: UCP2009-0477 DRWN:JBELL 2008/09/05 CHKD:JBELL 2008/09/11 APPR:FSMTH 2008/09/11 K1	REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 2:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION	
				4 PLACES ± --- ± --- 3 PLACES ± --- ± .015 2 PLACES ± 0.38 ± --- 1 PLACE ± --- ± --- ANGULAR ±1/2°	mm	INCH	DRAWN BY JTR	DATE 1993/10/18	TITLE LOW PROFILE GANGED, RIGHT ANGLE MODULAR JACK ASSEMBLY		
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE SHT 3		DOCUMENT NO. SDA-43223			SHEET NO. 4 OF 6
						SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



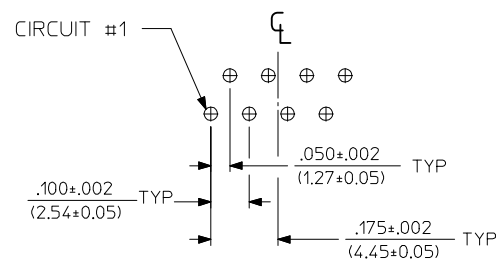
8 LOADED 2 DETAIL
SCALE: 4/1



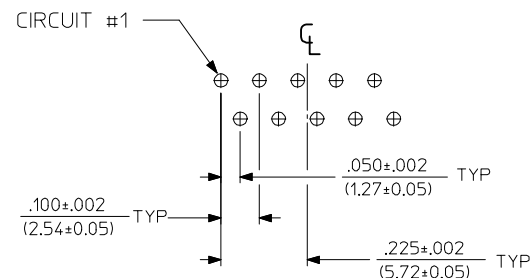
8 LOADED 4 DETAIL
SCALE: 4/1



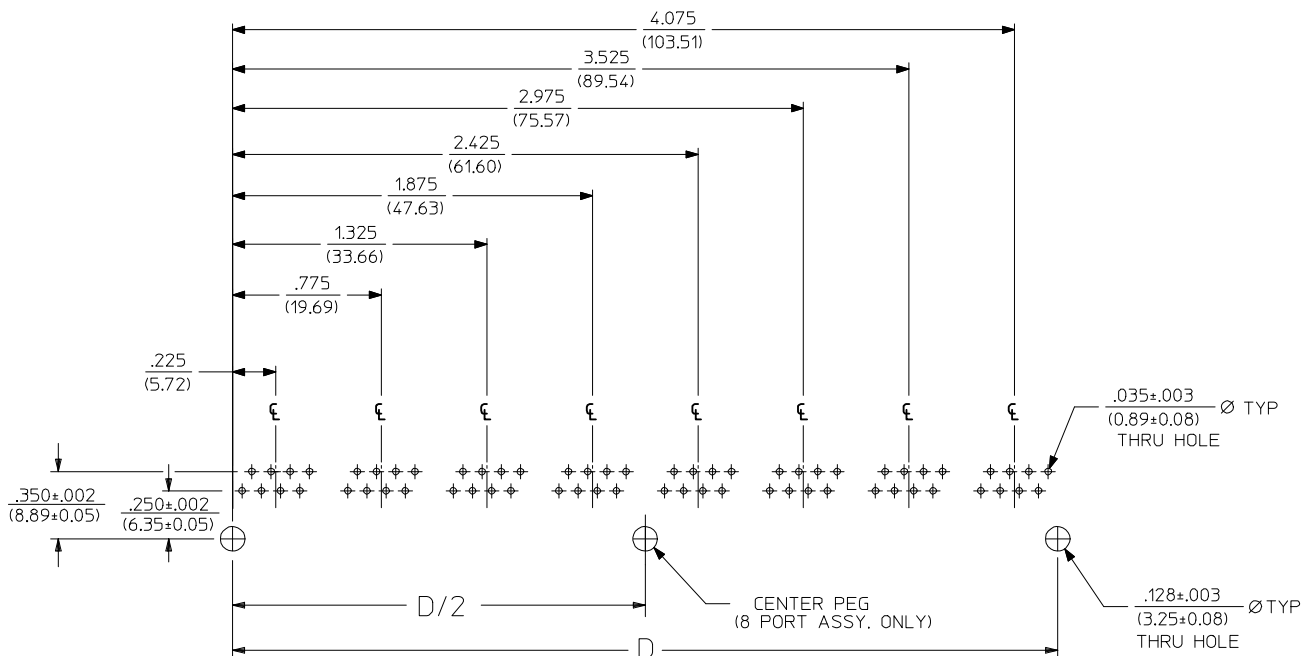
8 LOADED 6 DETAIL
SCALE: 4/1



8 LOADED 8 DETAIL
SCALE: 4/1



8 LOADED 10 DETAIL
SCALE: 4/1



SUGGESTED P.C. BOARD LAYOUT
COMPONENT SIDE OF BOARD
8 PORT, 8 LOADED 8
(SNAP-FIT VERSIONS)

NOTES:
1. RECOMMENDED PCB THICKNESS: .062±.005/(1.57±0.13)

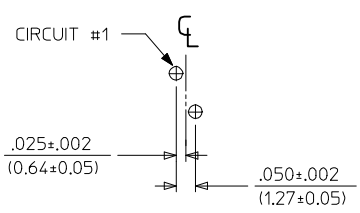
NUMBER OF PORTS	DIM. D
2	1.000 (25.40)
3	1.550 (39.37)
4	2.100 (53.34)
5	2.650 (67.31)
6	3.200 (81.28)
8	4.300 (109.32)

SEE SHEET 1	EC NO: UCP2009-0477	2008/09/05	DRWN:JBELL	2008/09/11	CHKD:JBELL	2008/09/11	APPR:FSM/TH	2008/09/11
K1	REV	DESCRIPTION	QUALITY SYMBOLS	▽=0	▽=0			

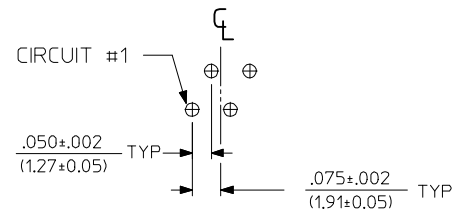
GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES ± ---	± ---
3 PLACES ± ---	± .015
2 PLACES ± 0.38	± ---
1 PLACE ± ---	± ---
ANGULAR ± 1/2°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE IN/MM	
DRAWN BY	DATE
JTR	1993/10/18
CHECKED BY	DATE
JTR	1993/10/18
APPROVED BY	DATE
RAS	1993/10/18
MATERIAL NO.	DOCUMENT NO.
SEE SHT 3	SDA-43223
SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
C	

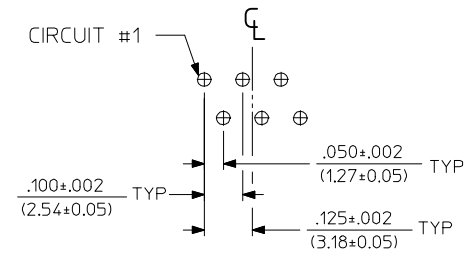
SCALE 2:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
TITLE		
LOW PROFILE GANGED, RIGHT ANGLE MODULAR JACK ASSEMBLY		
MOLEX INCORPORATED		
SHEET NO. 5 OF 6		



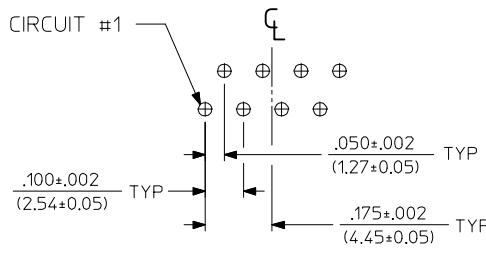
8 LOADED 2 DETAIL
SCALE: 4/1



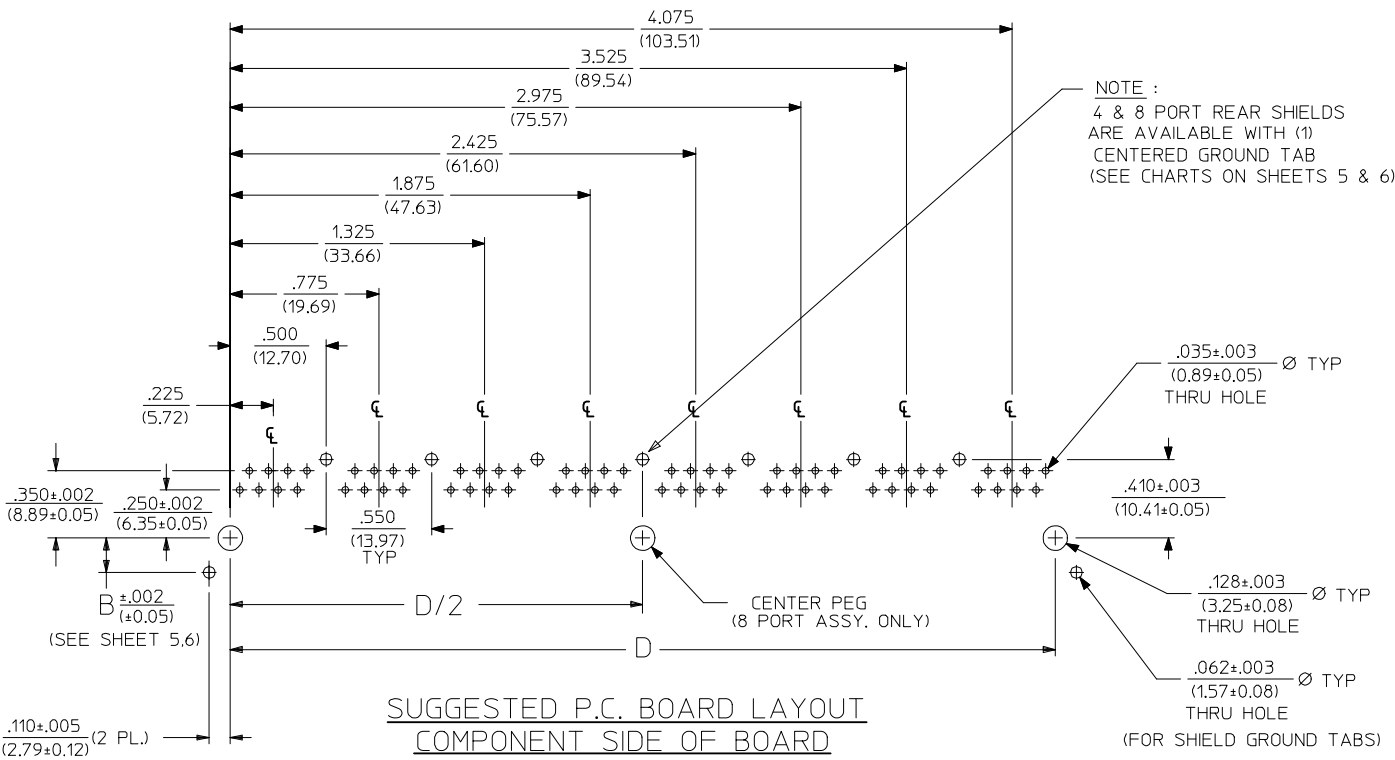
8 LOADED 4 DETAIL
SCALE: 4/1



8 LOADED 6 DETAIL
SCALE: 4/1



8 LOADED 8 DETAIL
SCALE: 4/1



NOTE :
4 & 8 PORT REAR SHIELDS
ARE AVAILABLE WITH (1)
CENTERED GROUND TAB
(SEE CHARTS ON SHEETS 5 & 6)

SUGGESTED P.C. BOARD LAYOUT
COMPONENT SIDE OF BOARD
8 PORT, 8 LOADED 8
(SHIELDED) LAYOUT SHOWN
(SNAP-FIT VERSIONS)

NOTES:
1. RECOMMENDED PCB THICKNESS: .062±.005/(1.57±0.13)

NUMBER OF PORTS	DIM. D
2	1.000 (25.40)
4	2.100 (53.34)
6	3.200 (81.28)
8	4.300 (109.32)

SEE SHEET 1	EC NO: UCP2009-0477	2008/09/05
	DRWN:JBELL	2008/09/11
	CHKD:JBELL	2008/09/11
	APPR:FSM/TH	2008/09/11
REV	DESCRIPTION	
K1		

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)
▽=0	
▽=0	
	mm
	INCH
	4 PLACES ± --- ± ---
	3 PLACES ± --- ± .015
	2 PLACES ± 0.38 ± ---
	1 PLACE ± --- ± ---
	ANGULAR ± 1/2°
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	SCALE	DESIGN UNITS
IN/MM	2:1	INCH
DRAWN BY	DATE	
JTR	1993/10/18	
CHECKED BY	DATE	
JTR	1993/10/18	
APPROVED BY	DATE	
RAS	1993/10/18	
MATERIAL NO.		
SEE SHT 3		
SIZE		

TITLE	THIRD ANGLE PROJECTION
LOW PROFILE GANGED, RIGHT ANGLE MODULAR JACK ASSEMBLY	
MOLEX INCORPORATED	
DOCUMENT NO.	SHEET NO.
SDA-43223	6 OF 6
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Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- 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);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- 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.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(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).



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