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ELECTRONICS

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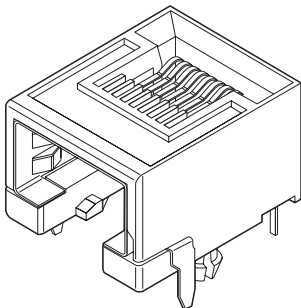
Jameco Part Number 1970674

Modular Jack

95040

Right Angle

Low Profile, Internal Shield



- Features and Benefits
- High reliability, square contact
 - EMI/RFI protection
 - ISDN standard

Reference Information

Product Specification: PS-95040

Packaging: Tray

UL File No.: E107635

Mates With: FCC 68 plugs

Designed In: Millimeters

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 20 milliohms max.

Dielectric Withstanding Voltage: 1000V

Insulation Resistance: 500 Megohms min.

Shielding Effectiveness: 20 dB min.

Physical

Housing: Standard—Black polyester, UL 94V-0

High Temperature—Black polyamide, UL 94V-0

Contact: Phosphor Bronze

Plating: .52µm (50 to 60µ") Gold in contact area, 1.90mm (75µ") min. pure Tin in tail area both over Nickel overall

Operating Temperature: -40 to +80°C

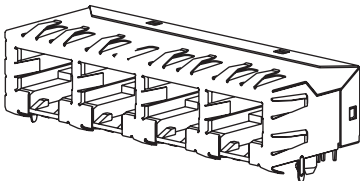
Circuits	Loaded Contacts	Order No.	High Temperature	Lead-free
8	8	95040-2881	No	Yes
8	8	95040-2889	Yes	

Modular Jack

43223

Ganged, Right Angle

Low Profile, Shielded and Unshielded Versions



- Features and Benefits
- 2 to 8 port (except 7) RJ-11 and RJ-45
 - Optional shielding on RJ-45 ganged jacks
 - Option of flush or flangeless mount
 - Select Gold plating, 50µ"
 - 100% tested for hi-pot and continuity

Reference Information

Product Specification: PS-43223-001

Packaging: Tray

UL File No.: E107635

CSA File No.: LR19980

Mates With: FCC 68 plugs

Designed In: Inches

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 10 milliohms max.

Dielectric Withstanding Voltage: 1000V AC

Insulation Resistance: 500 Megohms min.

Mechanical

Durability: 500 cycles min.

Physical

Housing: Black glass-filled nylon, UL 94V-0

Contact: Phosphor Bronze

Plating: Contact area—1.27µm (50µ") min. Gold;

Solder Tails—2.54µm (100µ") min. Tin, Nickel overall

Operating Temperature: -40 to +80°C

Circuits	Loaded Contacts	No. of Ports	Order No.			Lead-free
			Unshielded		Shielded	
			Flush Mount	Flangeless	Flangeless	
6	4	2	43223-6022	43223-6122		Yes
		4	43223-6028	43223-6128		
		6	43223-6034	43223-6134		
		8	43223-6040	43223-6140		
	6	2	43223-6001	43223-6101		
		4	43223-6007	43223-6107		
		6	43223-6013	43223-6113		
		8	43223-6019	43223-6119		
8	8		43223-8022	43223-8122		
		2			43223-8128	
		4	43223-8028	43223-8140	43223-8146	
		6	43223-8034	43223-8158	43223-8164	
		8	43223-8040	43223-8176		
					43223-8182	

Note: Snap-fit peg order numbers shown above. Press-fit peg order numbers also available.
Visit www.molex.com for alternative grounding tab option order numbers, circuit sizes and port sizes.



PRODUCT SPECIFICATION

LOW PROFILE RIGHT ANGLE MODULAR JACKS

1.0 SCOPE

This Product Specification covers the 1.27 mm (.050 inch) centerline (pitch) printed circuit board (PCB) modular jack connector series with selective gold and tin plating.

2.0 PRODUCT DESCRIPTION

2.1 PRODUCT NAME AND SERIES NUMBER(S)

Low Profile Right Angle Modular Jacks 43223

2.2 DIMENSIONS, MATERIALS, PLATINGS AND MARKINGS

See the appropriate sales drawings (SDA-43223) for information on dimensions, materials, plating and markings.

2.3 SAFETY AGENCY APPROVALS

UL File Number.....E107635

CSA File Number.....LR19980

3.0 REFERENCE DOCUMENTS

FCC Rules and Regulations, Part 68, Subpart F

REA Bulletin 345-81, PE-76; Specification for modular telephone set hardware

ANSI/EIA/TIA-568

IEC-60603-7

UL 1863

MIL-STD-202; General requirements for test specifications

4.0 RATINGS

4.1 VOLTAGE

56.5 V DC

150 V_{RMS} AC (Ringing voltage only)

4.2 CURRENT

1.5 Amps @ 25°C

4.3 TEMPERATURE

Operating: - 40°C to + 85°C

Nonoperating:* - 40°C to + 85°C

*Packaging materials should not exceed + 50°C

REVISION: C1	ECR/ECN INFORMATION: EC No: UCP2008-0143 DATE: 8/3/2007	TITLE: PRODUCT SPECIFICATION LOW PROFILE RIGHT ANGLE MODULAR JACKS	SHEET No. 1 of 5
DOCUMENT NUMBER: PS-43223-001	CREATED / REVISED BY: JBELL 7/23/2007	CHECKED BY: LSCHMIDT 7/24/2007	APPROVED BY: FSMITH 7/25/2007



PRODUCT SPECIFICATION

5.0 PERFORMANCE

5.1 ELECTRICAL REQUIREMENTS

	DESCRIPTION	TEST CONDITION	REQUIREMENT
	Contact Resistance (Low Level)	Mate connectors: apply a maximum voltage of 20 mV and a current of 15 mA . (Measurement locations in Section 7.0)	10 milliohms MAXIMUM [initial]
	Insulation Resistance	Unmated connector, mounted to a PCB: apply a voltage of 500 VDC between adjacent terminals and between terminals to ground.	500 Megohms MINIMUM
	Dielectric Withstanding Voltage	Mate connectors: apply a voltage of 1000 VAC for 1 minute between adjacent terminals and between terminals to ground.	No breakdown; current leakage < 5 mA
	Temperature Rise	Mate connectors: measure the temperature rise at the rated current after: 96 hours	Temperature rise; +30°C MAXIMUM

REVISION: C1	ECR/ECN INFORMATION: EC No: UCP2008-0143 DATE: 8/3/2007	TITLE: PRODUCT SPECIFICATION LOW PROFILE RIGHT ANGLE MODULAR JACKS	SHEET No. 2 of 5
DOCUMENT NUMBER: PS-43223-001	CREATED / REVISED BY: JBELL 7/23/2007	CHECKED BY: LSCHMIDT 7/24/2007	APPROVED BY: FSMITH 7/25/2007



PRODUCT SPECIFICATION

5.2 MECHANICAL REQUIREMENTS

	DESCRIPTION	TEST CONDITION	REQUIREMENT
	Connector Mate Force	Mate connector at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute. (Gage dimensions in Section 7.0)	22 N (5 lbf) MAXIMUM insertion force
	Durability	Mate connectors up to 500 cycles at a maximum rate of 20 cycles per minute prior to Environmental Tests.	10 milliohms MAXIMUM (change from initial)
	Vibration (Random)	Mate connectors and vibrate per MIL-STD-202	10 milliohms MAXIMUM (change from initial) & Discontinuity < 1 microsecond
	Plug Retention Force	Apply an axial pullout force on the plug at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute.	89 N (20 lbf) MINIMUM retention force
	PCB Separation Forces	Apply a perpendicular load on the plug at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute.	4.5 N (1 lbf) MINIMUM withdrawal force before solder reflow 89 N (20 lbf) MINIMUM withdrawal force after solder reflow

REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
C1	EC No: UCP2008-0143 DATE: 8/3/2007	PRODUCT SPECIFICATION LOW PROFILE RIGHT ANGLE MODULAR JACKS	3 of 5
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
PS-43223-001	JBELL 7/23/2007	LSCHMIDT 7/24/2007	FSMITH 7/25/2007



PRODUCT SPECIFICATION

5.3 ENVIRONMENTAL REQUIREMENTS

	DESCRIPTION	TEST CONDITION	REQUIREMENT												
	Thermal (Cycling)	Connectors to be placed in 95% relative humidity. Maximum temperature change is 15°C/hour . Cycle linearly per chart below. Mate connectors; expose to 10 cycles of: <table><tr><td><u>Temperature °C</u></td><td><u>Duration (Minutes)</u></td></tr><tr><td>30 to 5</td><td>120</td></tr><tr><td>5 to 30</td><td>120</td></tr><tr><td>Hold at 30</td><td>240</td></tr><tr><td>30 to 5</td><td>180</td></tr><tr><td>Hold at 5</td><td>180</td></tr></table>	<u>Temperature °C</u>	<u>Duration (Minutes)</u>	30 to 5	120	5 to 30	120	Hold at 30	240	30 to 5	180	Hold at 5	180	10 milliohms MAXIMUM (change from initial) & Dielectric Withstanding Voltage: No Breakdown at 500 VAC & Insulation Resistance: 500 Megohms MINIMUM & Visual: No Damage
<u>Temperature °C</u>	<u>Duration (Minutes)</u>														
30 to 5	120														
5 to 30	120														
Hold at 30	240														
30 to 5	180														
Hold at 5	180														
	Solderability	Dip solder tails in flux and immerse in solder Bath at 260±5°C for 5±0.5 seconds	Solder Wetting Visual: 95% of immersed area must show no voids, pin holes												

REVISION: C1	ECR/ECN INFORMATION: EC No: UCP2008-0143 DATE: 8/3/2007	TITLE: PRODUCT SPECIFICATION LOW PROFILE RIGHT ANGLE MODULAR JACKS	SHEET No. 4 of 5
DOCUMENT NUMBER: PS-43223-001	CREATED / REVISED BY: JBELL 7/23/2007	CHECKED BY: LSCHMIDT 7/24/2007	APPROVED BY: FSMITH 7/25/2007

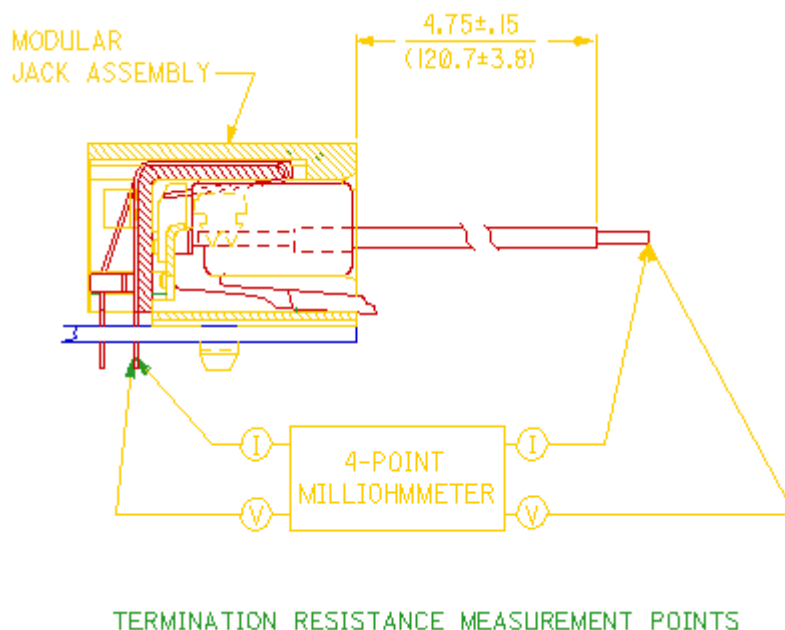


PRODUCT SPECIFICATION

6.0 PACKAGING

Parts shall be packaged to protect against damage during handling, transit and storage.
See appropriate sales drawings on Sheet 1 for packaging descriptions.

7.0 GAGES AND FIXTURES



8.0 OTHER INFORMATION

REVISION: C1	ECR/ECN INFORMATION: EC No: UCP2008-0143 DATE: 8/3/2007	TITLE: PRODUCT SPECIFICATION LOW PROFILE RIGHT ANGLE MODULAR JACKS	SHEET No. 5 of 5
DOCUMENT NUMBER: PS-43223-001	CREATED / REVISED BY: JBELL 7/23/2007	CHECKED BY: LSCHMIDT 7/24/2007	APPROVED BY: FSMITH 7/25/2007

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.

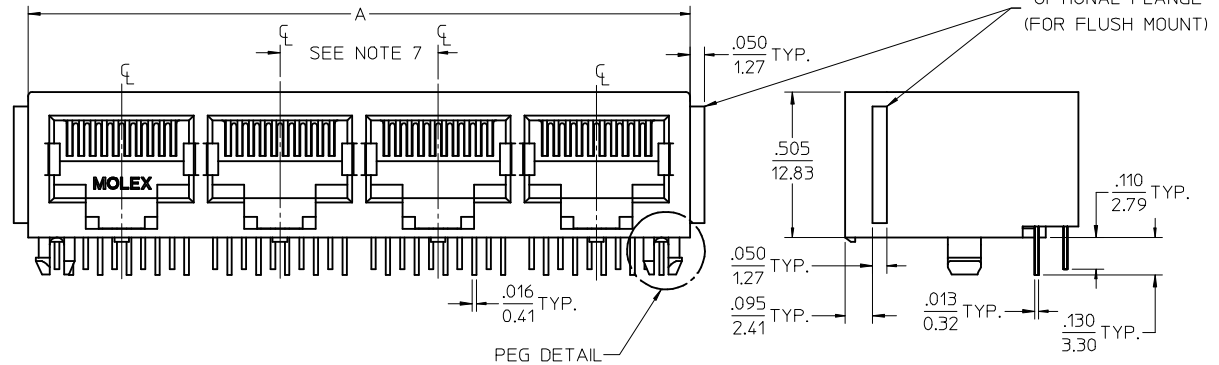
5) SEE SHEETS 4-6 FOR P.C. BOARD LAYOUTS.

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.

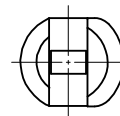
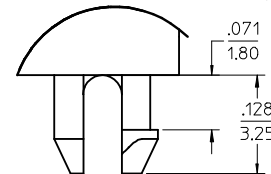
9) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.



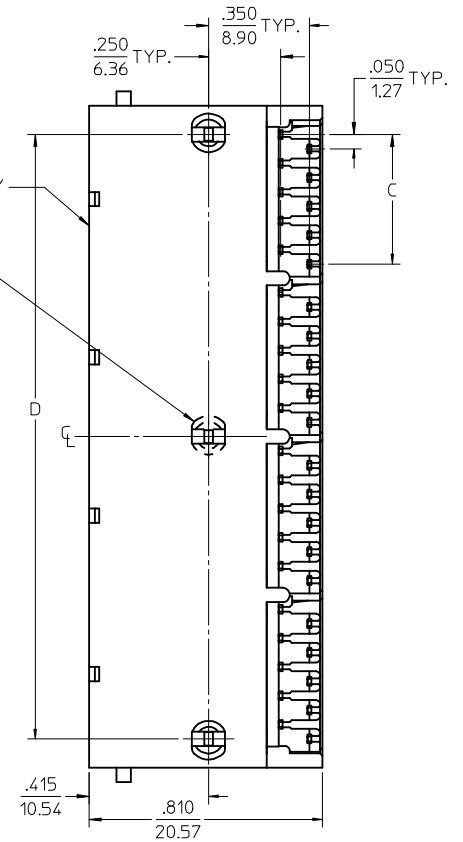
4 PORT 8 LOADED
10 JACK SHOWN

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

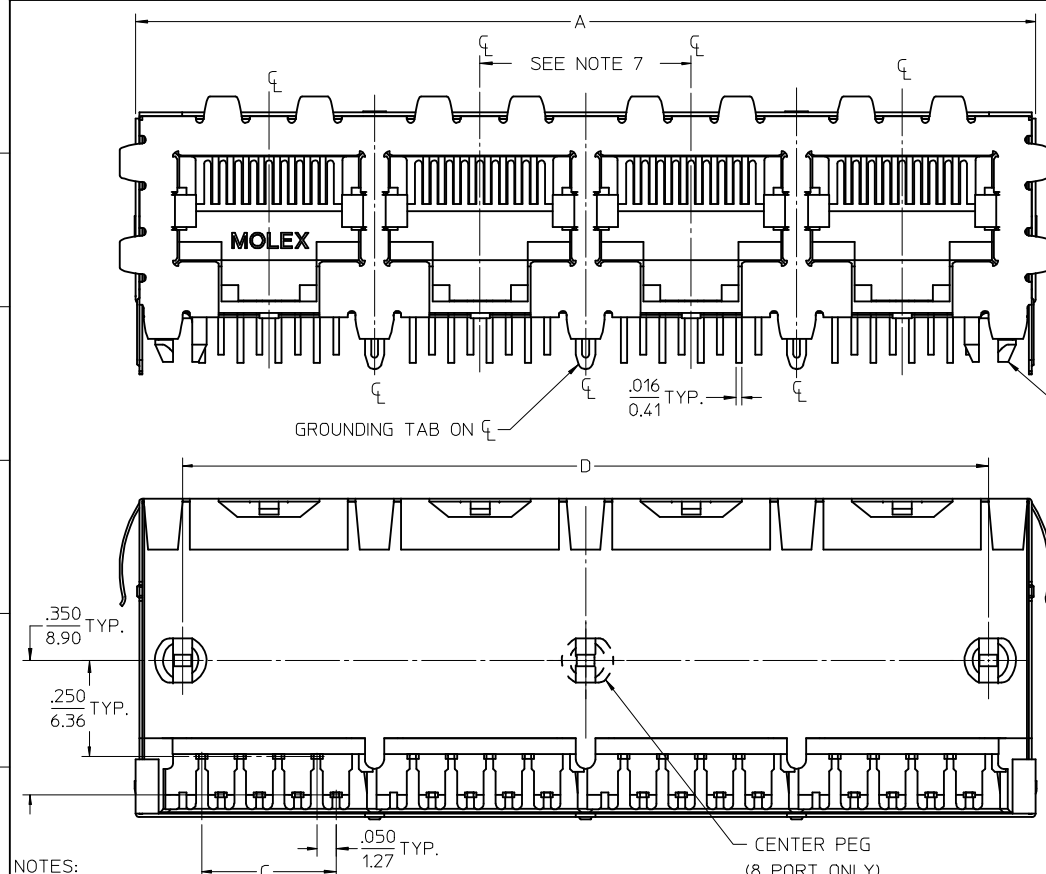
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2008/09/11
2008/09/11

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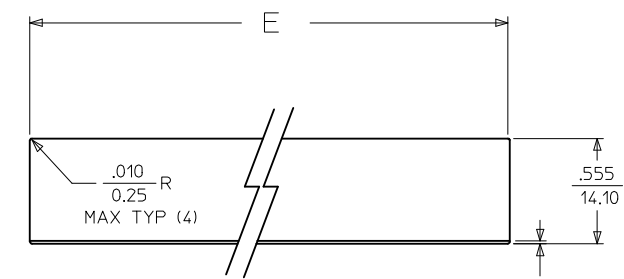
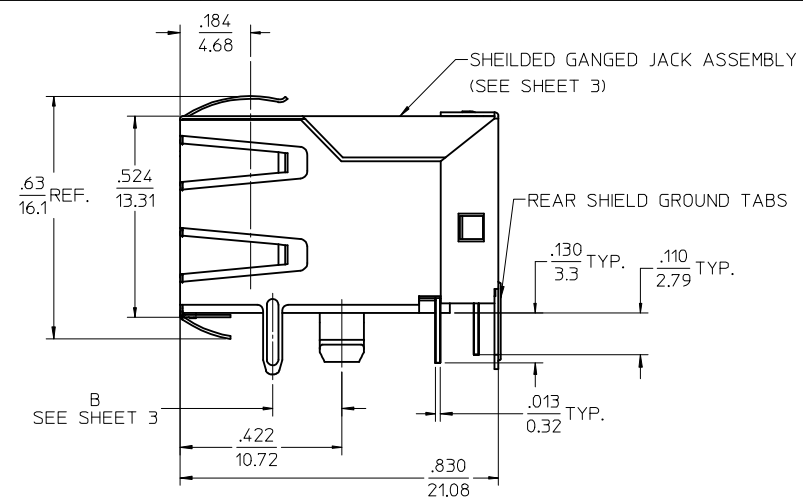
GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± .015
2 PLACES ± 0.38 ± ---
1 PLACE ± --- ± ---
ANGULAR ± 1/2°
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

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.
SEE SHTS 3
SIZE C

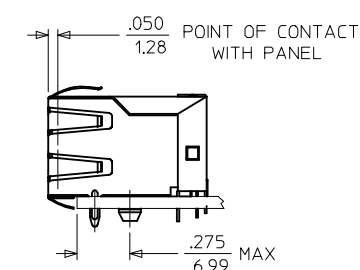
SCALE
3:1
DESIGN UNITS
INCH
THIRD ANGLE PROJECTION
LOW PROFILE GANGED,
RIGHT ANGLE MODULAR JACK
ASSEMBLY
MOLEX INCORPORATED
DOCUMENT NO.
SDA-43223
SHEET NO.
1 OF 6
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



- 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.



SCALE : 2/1

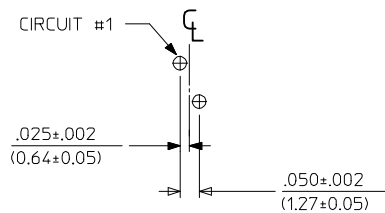


4 PORT 8 LOADED
8 JACK SHOWN

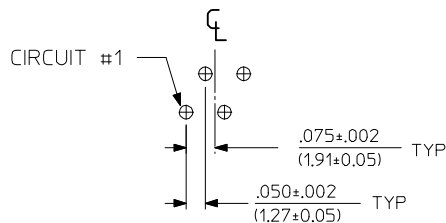
HOUSING SIZE	CIRCUIT SIZE	NO. OF PORTS	DIM. A	DIM. C	DIM. D	DIM. E
8	8	2	1.224 (31.09)	.350 (8.89)	1.000 (25.40)	1.255 (31.88)
8	8	4	2.324 (59.03)	.350 (8.89)	2.100 (53.34)	2.355 (59.82)
8	8	6	3.424 (86.97)	.350 (8.89)	3.200 (81.28)	3.455 (87.76)
8	8	8	4.524 (114.91)	.350 (8.89)	4.300 (109.22)	4.555 (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
		mm INCH		DRAWN BY JTR	DATE 1993/10/18	LOW PROFILE GANGED, RIGHT ANGLE MODULAR JACK ASSEMBLY MOLEX INCORPORATED		
		4 PLACES ± --- ± --- 3 PLACES ± --- ±.015 2 PLACES ±0.38 ± --- 1 PLACE ± --- ± ---		CHECKED BY JTR	DATE 1993/10/18			
		ANGULAR ±1/2°		APPROVED BY RAS	DATE 1993/10/18			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE SHTS 3		DOCUMENT NO. SDA-43223		SHEET NO. 2 OF 6		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

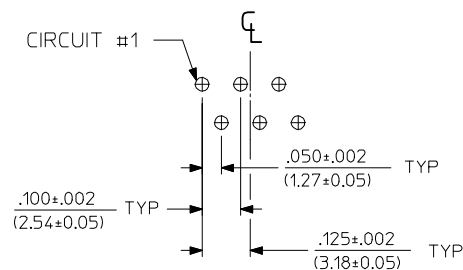
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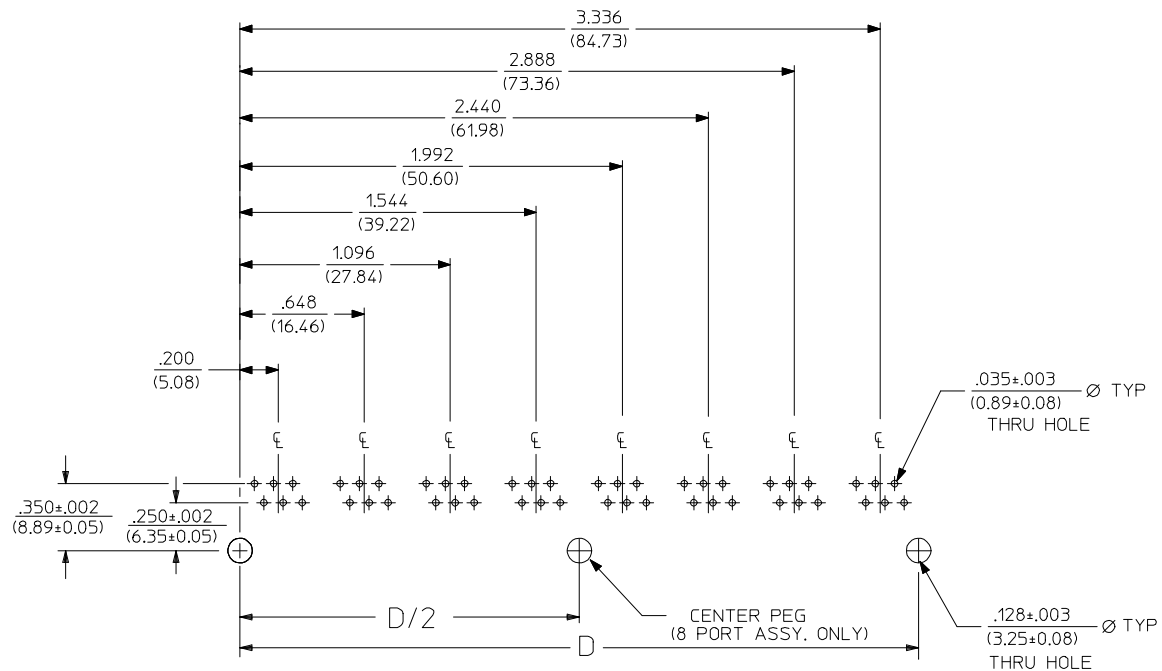
6 LOADED 2 DETAIL
SCALE: 4/1



6 LOADED 4 DETAIL
SCALE: 4/1



6 LOADED 6 DETAIL
SCALE: 4/1

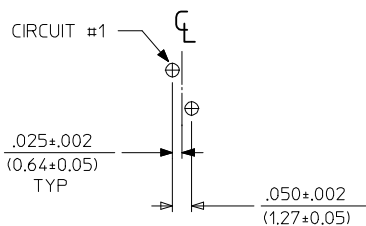


SUGGESTED P.C. BOARD LAYOUT
COMPONENT SIDE OF BOARD
8 PORT, 6 LOADED 6, LAYOUT SHOWN
(SNAP-FIT VERSIONS)

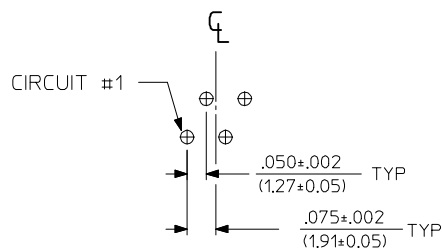
NOTES:
1. RECOMMENDED PCB THICKNESS .062±.005/(1.57±0.13)

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)

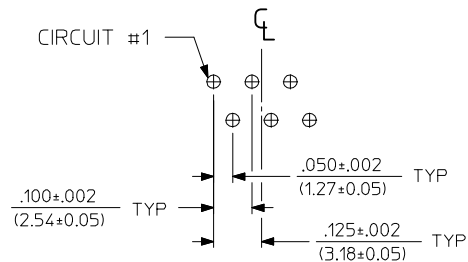
SEE SHEET 1 EC NO: UCP2009-0477 DRWN:JBELL 2008/09/05 CHKD:JBELL 2008/09/11 APPR:FSMTH 2008/09/11	REV K1	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 2:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
					mm	INCH	DRAWN BY JTR		DATE 1993/10/18	TITLE LOW PROFILE GANGED, RIGHT ANGLE MODULAR JACK ASSEMBLY		
				4 PLACES	± ---	± ---	CHECKED BY		DATE			
				3 PLACES	± ---	± .015	JTR		1993/10/18			
				2 PLACES	± 0.38	± ---	APPROVED BY		DATE	molex MOLEX INCORPORATED		
				1 PLACE	± ---	± ---	RAS		1993/10/18			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				ANGULAR ±1/2°		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				



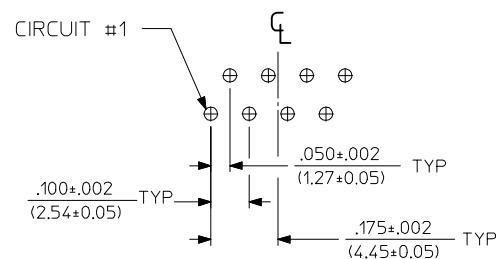
8 LOADED 2 DETAIL
SCALE: 4/1



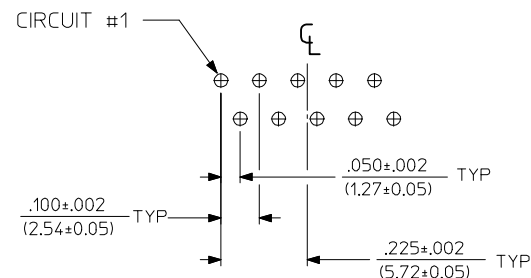
8 LOADED 4 DETAIL
SCALE: 4/1



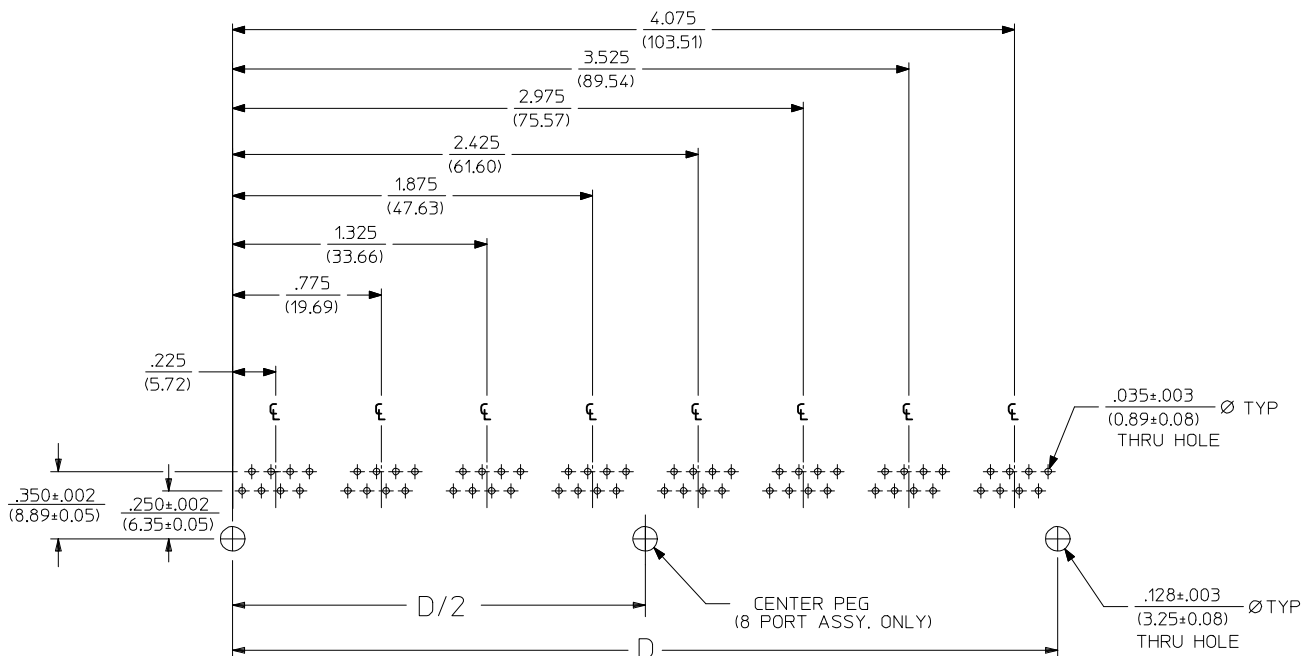
8 LOADED 6 DETAIL
SCALE: 4/1



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)

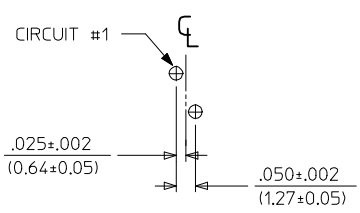
NUMBER OF PORTS	DIM. D
2	1.000 (25.40)
3	1.550 (39.37)
4	2.100 (53.34)
5	2.650 (67.31)
6	3.200 (81.28)
8	4.300 (109.32)

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			

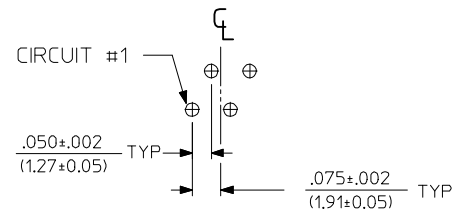
GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES ± ---	± ---
3 PLACES ± ---	± .015
2 PLACES ± 0.38	± ---
1 PLACE ± ---	± ---
ANGULAR ± 1/2°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

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	

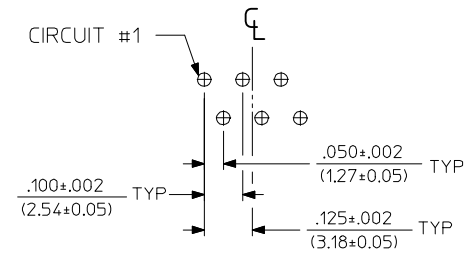
SCALE 2:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
TITLE		
LOW PROFILE GANGED, RIGHT ANGLE MODULAR JACK ASSEMBLY		
MOLEX INCORPORATED		
SHEET NO. 5 OF 6		



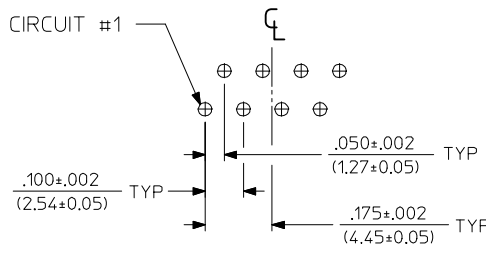
8 LOADED 2 DETAIL
SCALE: 4/1



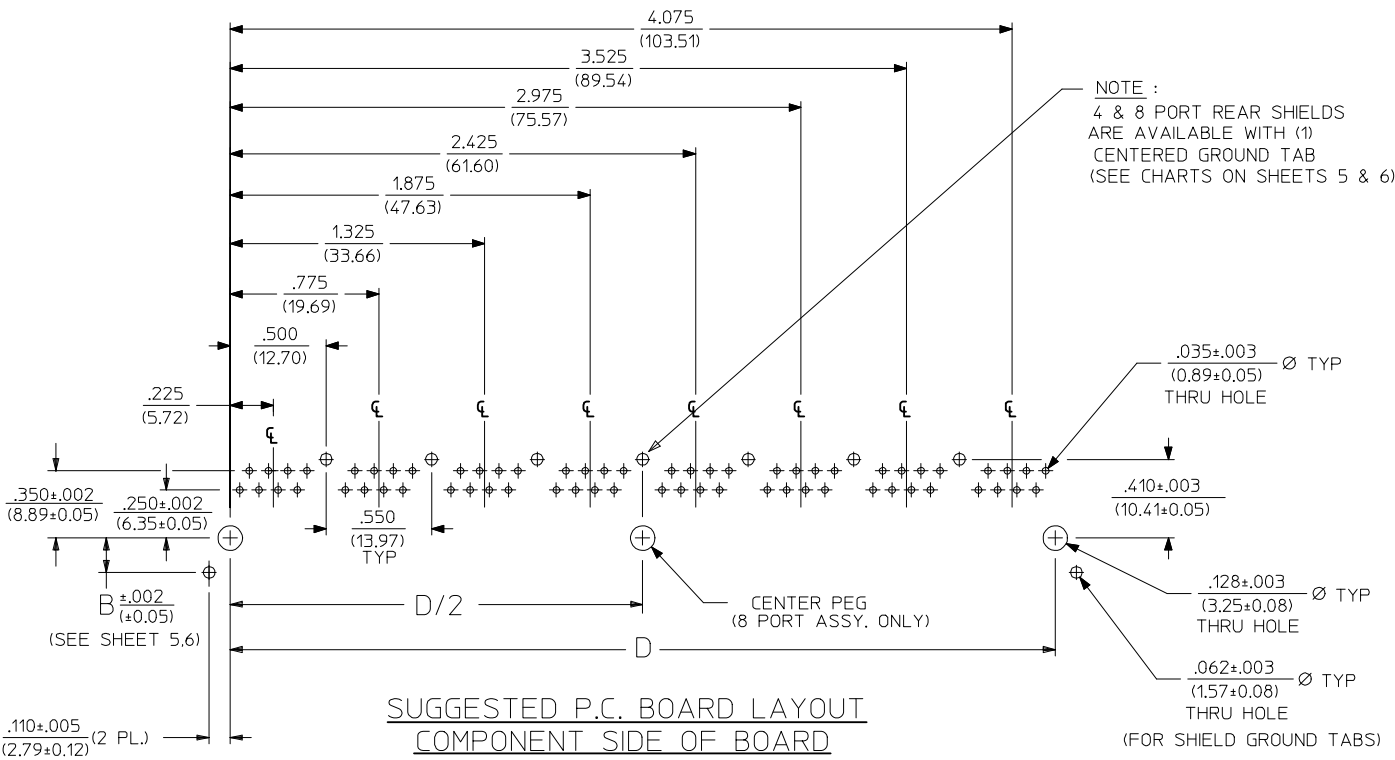
8 LOADED 4 DETAIL
SCALE: 4/1



8 LOADED 6 DETAIL
SCALE: 4/1



8 LOADED 8 DETAIL
SCALE: 4/1



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

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

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
K1	REV	DESCRIPTION	QUALITY SYMBOLS	▽=0	▽=0			

GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES ± .010	± .0004
3 PLACES ± .015	± .0006
2 PLACES ± .030	± .0012
1 PLACE ± .050	± .0020
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
LOW PROFILE GANGED, RIGHT ANGLE MODULAR JACK ASSEMBLY		
MOLEX INCORPORATED		
SHEET NO. 6 OF 6		