

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[0432498920](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

NOTES:

1) MATERIAL:

HOUSING: NYLON(PA), GLASS FILLED, UL94V-0, COLOR: BLACK
INSULATOR: NYLON(PA), GLASS FILLED, UL94V-0, COLOR: BLACK
TERMINALS: PHOSPHOR BRONZE, .012/(0.30) THICK
SHIELD: BRASS, .007/(0.18) THICK

2) FINISH:

TERMINALS:

- A = 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.
B = SELECT GOLD IN CONTACT AREA: 30 MICROINCHES / 0.76 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 TAILS AND/OR SHIELD.

3) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-43249.

4) PACKAGING SPECIFICATION:

- UNSHIELDED CONNECTOR ASSEMBLIES PACKAGED IN THERMOFORMED TRAYS
PER MOLEX PACKAGING SPECIFICATION PK-43249-004.
UNSHIELDED CONNECTOR ASSEMBLIES PACKAGED IN TUBES
PER MOLEX PACKAGING SPECIFICATION PK-43249-005.
SHIELDED CONNECTOR ASSEMBLIES PACKAGED IN THERMOFORMED TRAYS
PER MOLEX PACKAGING SPECIFICATION PK-44050-004.

5) MATES WITH: MODULAR PLUGS THAT CONFORM TO FCC REGULATION PART 68.5.

6) SEE SHEET 3 FOR SHIELDED JACK ASSEMBLY.

7) SEE SHEETS 5 & 6 FOR P.C. BOARD LAYOUTS.

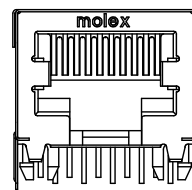
8) ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.

9) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC
SPECIFICATION PS-45499-002.10) THIS PART CONFORMS TO FCC REGULATION 68.5 AND TIA 1096 FOR MODULAR
JACKS.

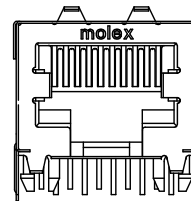
DRAWING LEGEND

- SHEET 1- NOTES, GROUND TAB OPTIONS
SHEET 2- UNSHIELDED MODULAR JACK
SHEET 3- SHIELDED MODULAR JACK WITH
OPTIONAL SIDE/TOP GROUND TABS & BOTTOM GROUND
TAB WITH OPTIONAL POSITION.
SHEET 4- PART NUMBER CHARTS
SHEET 5- FOOTPRINT LAYOUT FOR 8 POSITION HOUSING
SHEET 6- FOOTPRINT LAYOUT FOR 6 POSITION HOUSING

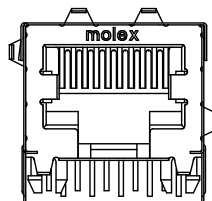
SIDE/TOP GROUND TAB OPTIONS FOR SHIELDS



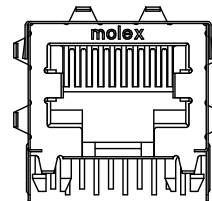
OPTION "A"
NO TOP OR SIDE TABS



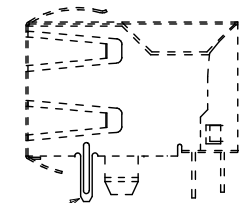
OPTION "B"
TOP TABS



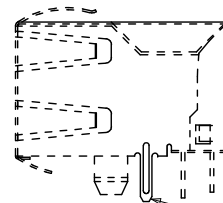
OPTION "C"
TOP AND STAGGERED SIDE TABS



OPTION "D"
TOP AND SIDE TABS

BOTTOM PCB GROUND TAB OPTIONS
FOR SHIELDS

OPTION "E"
OPTIONAL FRONT POSITION



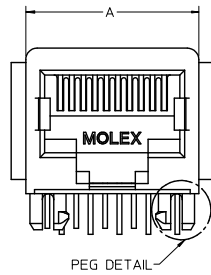
OPTION "F"
OPTIONAL REAR POSITION

NOTE: EITHER PCB GROUND TAB OPTION IS AVAILABLE
ON ALL SIDE/TOP TAB CONFIGURATIONS

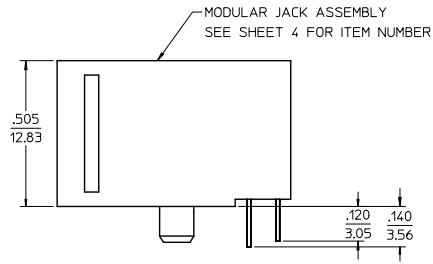
ADDED NOTE 10 EC NO: UCP2009-0740 DRAWN: JACUSTE/ER2008/09/29 CHKD: JELL APPR: SMTH 2008/10/03 2008/10/03	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION	TITLE LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY				
			IN/MM		4:1	INCH						
			mm	INCH	DRAWN BY DATE JTR 1993/06/23							
			4 PLACES ±	±								
			3 PLACES ±	±.010								
REV	DESCRIPTION	ANGULAR ±1/2°	2 PLACES ±	±	CHECKED BY DATE JTR 1993/06/23	APPROVED BY DATE RAS 1993/06/23			 MOLEX INCORPORATED			
			1 PLACE ±	±								
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							MATERIAL NO. SEE SHEET 4	DOCUMENT NO. SDA-43249	SHEET NO. 1 OF 6
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												

UNSHIELDED MODULAR JACK

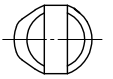
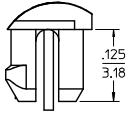
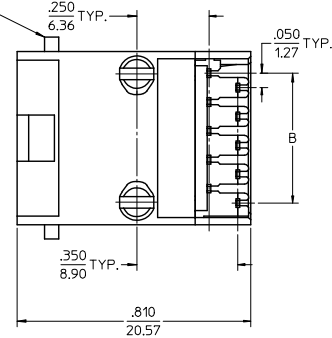
8 POSITION LOADED 10 SIZE SHOWN



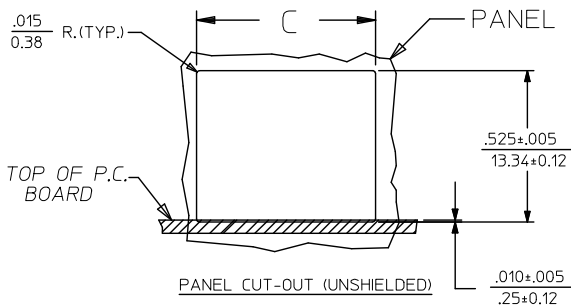
PEG DETAIL



OPTIONAL FLANGE
USED FOR FLUSH
MODULAR JACK



PEG DETAIL
SCALE 8:1

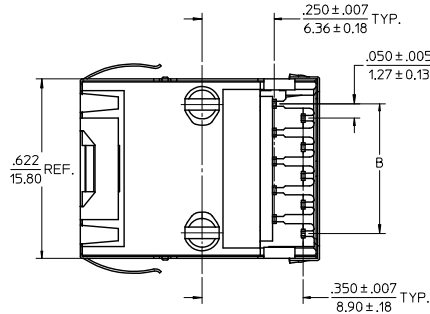
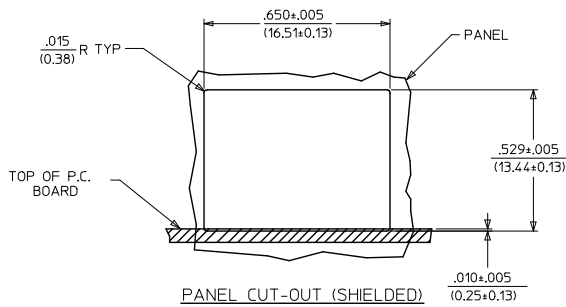
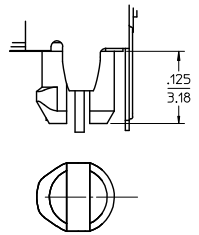
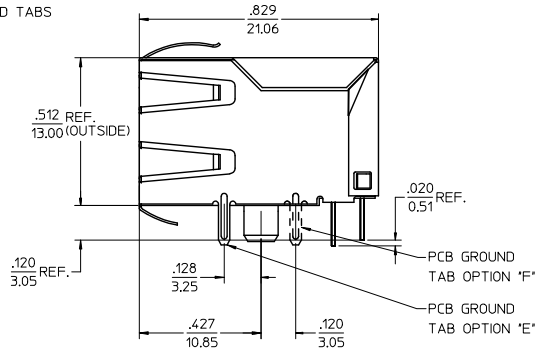
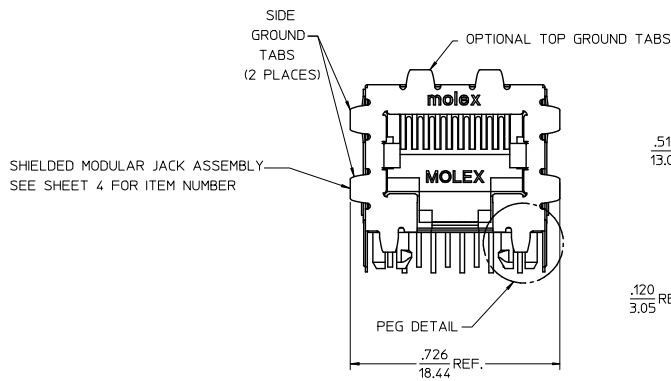


HOUSING SIZE	CIRCUIT SIZE	DIM. A	DIM. B	DIM. C
8	10	.600±.005 (15.24±0.13)	.450±.005 (11.43±0.13)	.620±.005 (15.75±0.13)
8	8	.600±.005 (15.24±0.13)	.350±.005 (8.89±0.13)	.620±.005 (15.75±0.13)
8	4	.600±.005 (15.24±0.13)	.150±.005 (3.81±0.13)	.620±.005 (15.75±0.13)
8	6	.600±.005 (15.24±0.13)	.250±.005 (6.35±0.13)	.620±.005 (15.75±0.13)
6	6	.520±.005 (13.21±0.13)	.250±.005 (6.35±0.13)	.540±.005 (13.72±0.13)
6	4	.520±.005 (13.21±0.13)	.150±.005 (3.81±0.13)	.540±.005 (13.72±0.13)
6	2	.520±.005 (13.21±0.13)	.050±.005 (1.27±0.13)	.540±.005 (13.72±0.13)

REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	TITLE
			mm	INCH	IN/MM	DATE				
1	SEE SHEET 1	▽=0	4 PLACES ±---	±---	JTR	1993/06/23	4:1	INCH	THIRD ANGLE PROJECTION	LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY
2	EC NO: UCP2009-0740	▽=0	3 PLACES ±---	±.010	CHECKED BY	DATE				
3	DRWN: JACUSTE/ER2008/09/29		2 PLACES ±0.25	±---	JTR	1993/06/23				
4	CHKD: BELL		1 PLACE ±---	±---	APPROVED BY	DATE				
5	APPR: SMITH				RAS	1993/06/23				
6					MATERIAL NO.					
7					SEE SHEET 4					
8					SDA-43249					
9										
10										
11										
12										

MODULAR JACK W/ .007" THICK SHIELD AND OPTIONAL GROUND TABS

8 LOADED 10 VERSION SHOWN WITH GROUND TAB OPTIONS 'D' AND 'E'



DESCRIPTION OF GROUND TAB OPTIONS:
(SEE SHEET 4 FOR AVAILABLE COMBINATIONS OF OPTIONS)

GROUND TAB OPTION	DESCRIPTION
A	NO GROUND TABS
B	TOP TABS ONLY
C	STAGGERED SIDE TABS
D	TOP AND SIDE TABS
E	PCB GROUND TAB IN FRONT POSITION
F	PCB GROUND TAB IN REAR POSITION

HOUSING SIZE	CIRCUIT SIZE	B
8	10	.450±.005 11.43±0.13
8	8	.350±.005 8.89±0.13

SEE SHEET 1 EC NO: UCP2009-0740 DRWN: JACUSTE/ER/2008/09/29 CHKD: JELL APPR: SMTH 2008/10/03 2008/10/03 DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
	▽=0	mm INCH		DRAWN BY DATE		TITLE LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY			
	▽=0	4 PLACES ± ±	JTR 1993/06/23						
	▽=0	3 PLACES ± ±.010	CHECKED BY DATE	MOLEX INCORPORATED					
	▽=0	2 PLACES ±.025 ±	JTR 1993/06/23						
	▽=0	1 PLACE ± ±	APPROVED BY DATE	SHEET NO. 3 OF 6					
	▽=0	ANGULAR ±1/2°	RAS 1993/06/23						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO. 3 OF 6		
	SEE SHEET 4		SDA-43249						
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SIZE						

FLUSH MOUNT (UNSHIELDED)

ASSEMBLY ITEM NUMBER	CONNECTOR SIZE	NUMBER OF CIRCUITS	TERMINAL PLATING OPTION
43249-8001	8	10	A
43249-8004	8	8	A
43249-8010	8	6	A
43249-6001	6	6	A
43249-6004	6	4	A
43249-6007	6	2	A

SHIELDED, .007" THICK

ASSEMBLY ITEM NUMBER	CONN. SIZE	NUMBER OF CIRCUITS	TERMINAL PLATING OPTION	SIDE/TOP PANEL GROUND TAB OPTION	PCB GROUND TAB OPTION	PACKAGING OPTION
43249-8900	8	10	A	A	E	TRAY
43249-8901	8	10	A	B	E	TRAY
43249-8902	8	10	A	C	E	TRAY
43249-8903	8	10	A	D	E	TRAY
43249-8908	8	10	A	A	F	TRAY
43249-8909	8	10	A	B	F	TRAY
43249-8910	8	10	A	C	F	TRAY
43249-8911	8	10	A	D	F	TRAY
43249-8916	8	8	A	A	E	TRAY
43249-8917	8	8	A	B	E	TRAY
43249-8918	8	8	A	C	E	TRAY
43249-8919	8	8	A	D	E	TRAY
43249-8920	8	8	B	A	E	TRAY
43249-8924	8	8	A	A	F	TRAY
43249-8925	8	8	A	B	F	TRAY
43249-8926	8	8	A	C	F	TRAY
43249-8927	8	8	A	D	F	TRAY

FLANGELESS (UNSHIELDED)

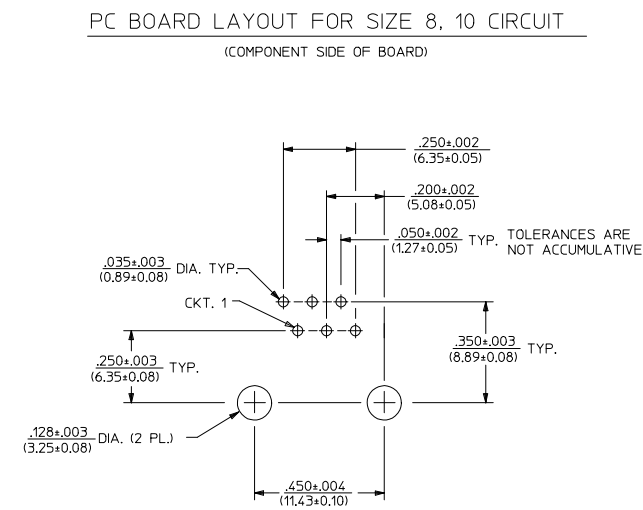
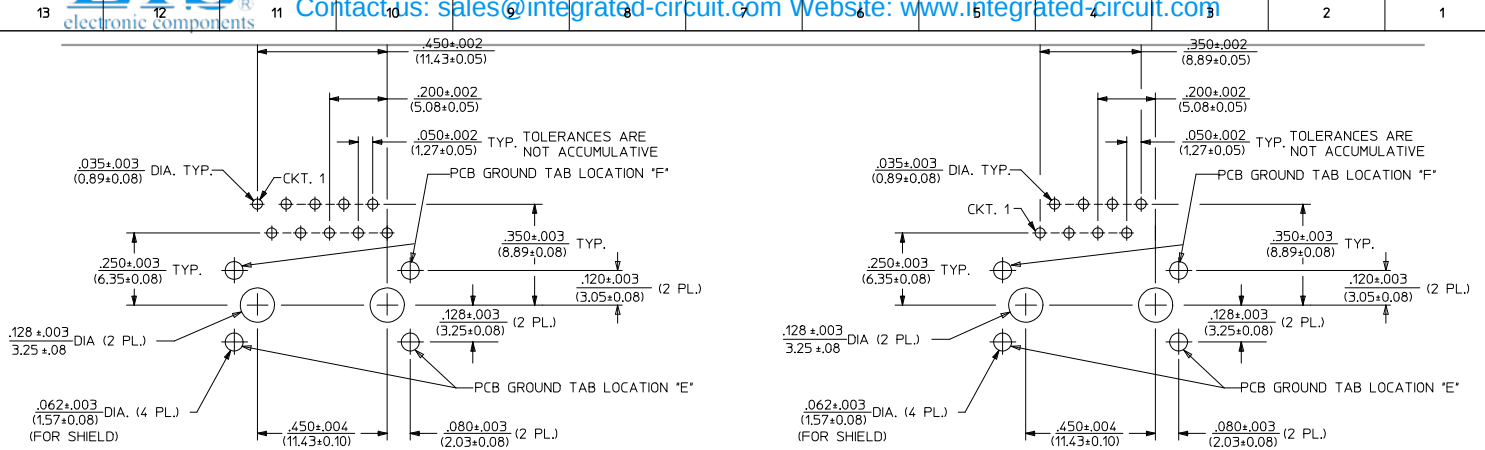
ASSEMBLY ITEM NUMBER	CONNECTOR SIZE	NUMBER OF CIRCUITS	TERMINAL PLATING OPTION
43249-8101	8	10	A
43249-8102	8	10	B
43249-8104	8	8	A
43249-8105	8	8	B
43249-8116	8	6	A
43249-8119	8	4	A
43249-6101	6	6	A
43249-6104	6	4	A
43249-6107	6	2	A

FLANGELESS (UNSHIELDED)

(SHIPPED IN TUBES)

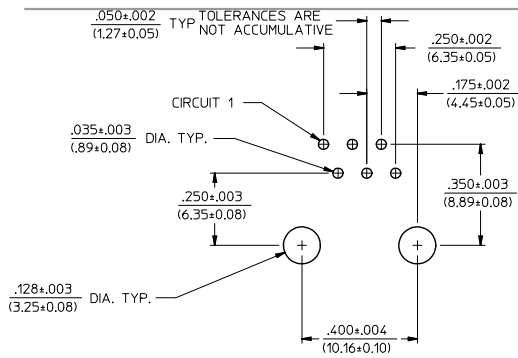
43249-6501	6	6	A
43249-6504	6	4	A

SEE SHEET 1 EC NO: UCP2009-0740 DRAWN: JACUSTE/ER/2008/09/29 CHKD: BELL/2008/10/03 APPR: SMITH/2008/10/03 K1	DESCRIPTION	QUALITY SYMBOLS ▼=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY MOLEX INCORPORATED SDA-43249 SHEET NO. 4 OF 6	
			mm	INCH	DRAWN BY	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
			4 PLACES ± .010	± .010	JTR	1993/06/23					
			3 PLACES ± .010	± .010	CHECKED BY	DATE					
			2 PLACES ± 0.25	± .010	JTR	1993/06/23					
			1 PLACE ± .010	± .010	APPROVED BY	DATE					
			ANGULAR ± 1/2°		RAS	1993/06/23					DOCUMENT NO.
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE CHART				
			SIZE								



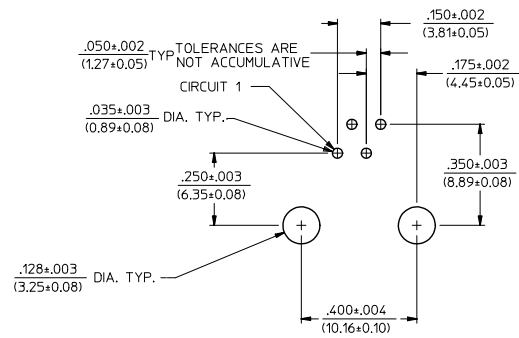
NOTES:
1. RECOMMENDED PCB THICKNESS: .062±.005/(1.57±0.13)

SEE SHEET 1 EC NO: UCF2009-0740 DRAWN: JACOSTER 2008/09/29 CHKD: JELL 2008/10/03 APPR: SMITH 2008/10/03 REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± --- 1 PLACE ± --- ± --- ANGULAR ±1/2°	DIMENSION STYLE IN/MM DRAWN BY DATE JTR 1993/06/23 CHECKED BY DATE JTR 1993/06/23 APPROVED BY DATE RAS 1993/06/23	SCALE 4:1 DESIGN UNITS INCH	THIRD ANGLE PROJECTION TITLE LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY MOLEX INCORPORATED MATERIAL NO. SDA-43249 DOCUMENT NO.	SHEET NO. 5 OF 6



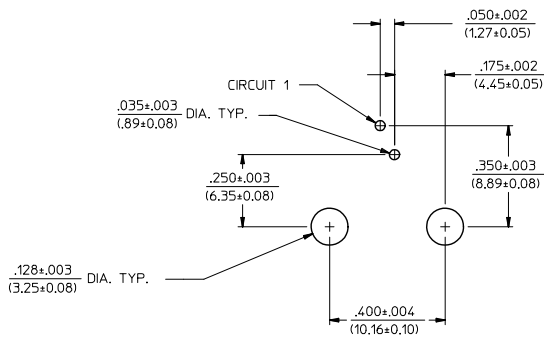
PC BOARD LAYOUT FOR SIZE 6, 6 CIRCUIT

(COMPONENT SIDE OF BOARD)



PC BOARD LAYOUT FOR SIZE 6, 4 CIRCUIT

(COMPONENT SIDE OF BOARD)



PC BOARD LAYOUT FOR SIZE 6, 2 CIRCUIT

(COMPONENT SIDE OF BOARD)

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

SEE SHEET 1 EC NO: UCP2009-0740 DRWN: JALUSTE/ER/2008/09/29 CHKD: J.BELL 2008/10/03 APPR: J.SMITH 2008/10/03 K1	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION	TITLE LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY  MOLEX INCORPORATED MATERIAL NO. SEE SHEET 4 DOCUMENT NO. SDA-43249
		▼=0	mm INCH		DRAWN BY DATE					
		▽=0	4 PLACES ± --- ± ---	UTR 1993/06/23						
			3 PLACES ± --- ± .010	CHECKED BY DATE						
			2 PLACES ± 0.25 ± ---	UTR 1993/06/23						
			1 PLACE ± --- ± ---	APPROVED BY DATE						
REV		ANGULAR ±1/2°		RAS 1993/06/23						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SHEET NO. 6 OF 6				
				SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				