

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.

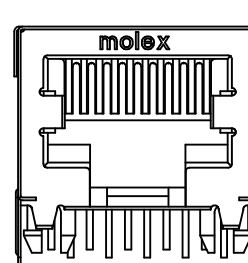
7) SEE SHEETS 5 & 6 FOR P.C. BOARD LAYOUTS.

8) ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.

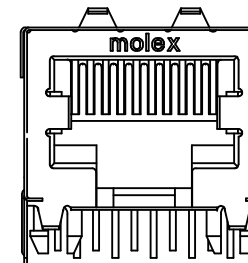
9) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

10) THIS PART CONFORMS TO FCC REGULATION 68.5 AND TIA 1096 FOR MODULAR JACKS.

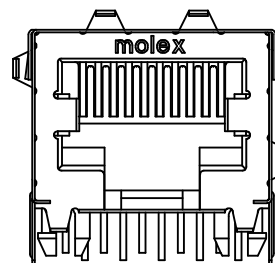
SIDE/TOP GROUND TAB OPTIONS FOR SHIELDS



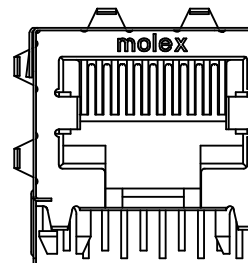
OPTION "A"
NO TOP OR SIDE TABS



OPTION "B"
TOP TABS

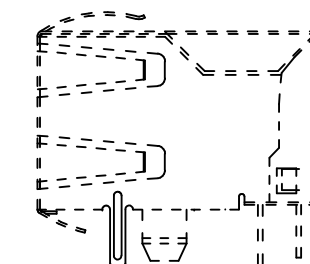


OPTION "C"
TOP AND STAGGERED SIDE TABS

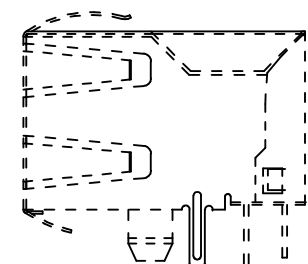


OPTION "D"
TOP AND SIDE TABS

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

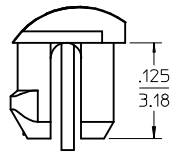
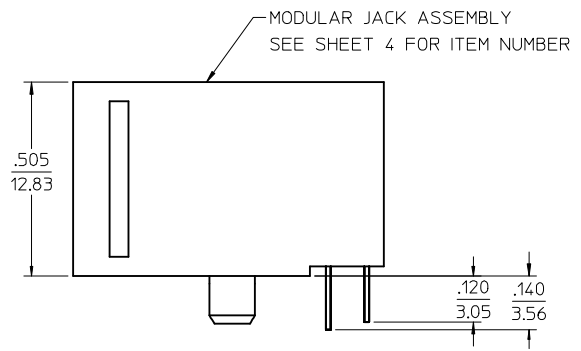
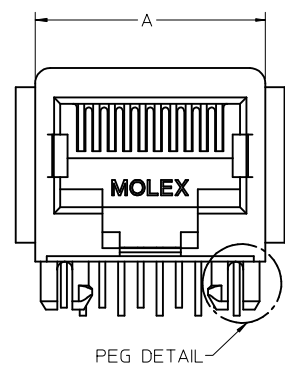
DRAWING LEGEND

- 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

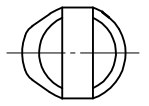
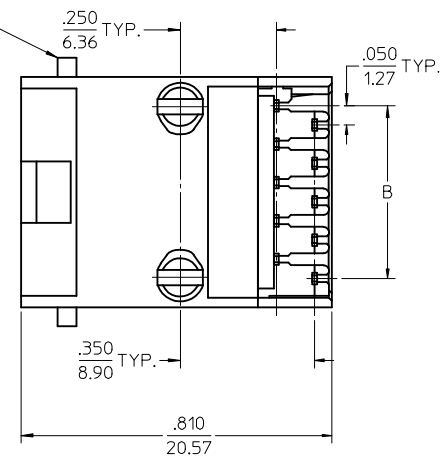
ADDED NOTE 10 EC NO: UCP2009-0740 DRWN: KLOSTERNER 2008/09/29 CHKD: JEBELL 2008/10/03 APPR: FSMITH 2008/10/03	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION			
		 =0  =0		mm	INCH	DRAWN BY	DATE	TITLE LOW PROFILE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

UNSHIELDED MODULAR JACK

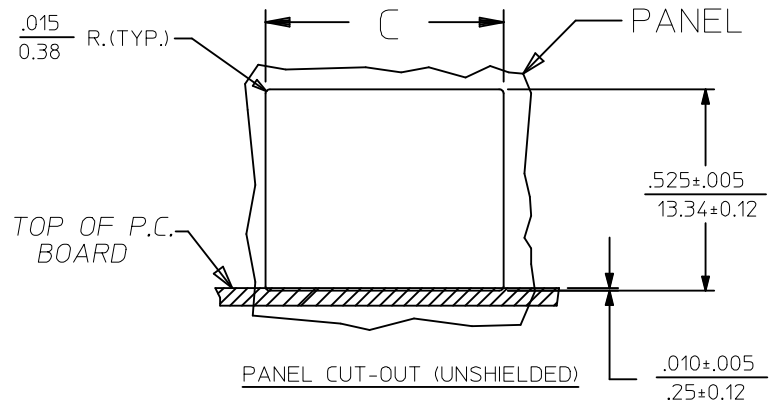
8 POSITION LOADED 10 SIZE SHOWN



OPTIONAL FLANGE
USED FOR FLUSH
MODULAR JACK



PEG DETAIL
SCALE 8:1

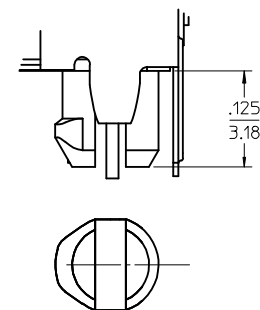
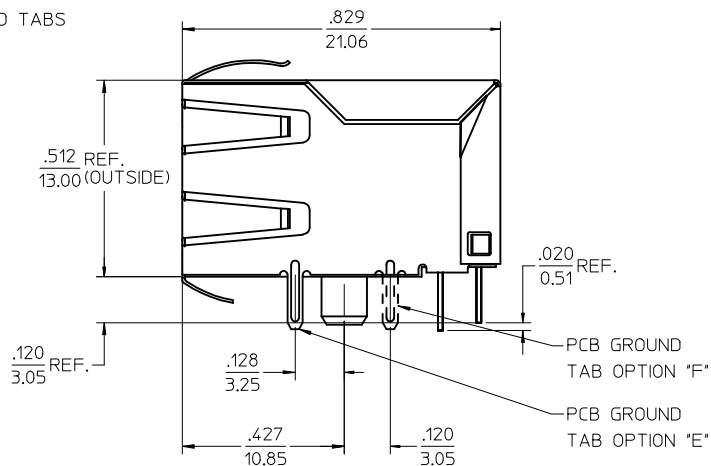
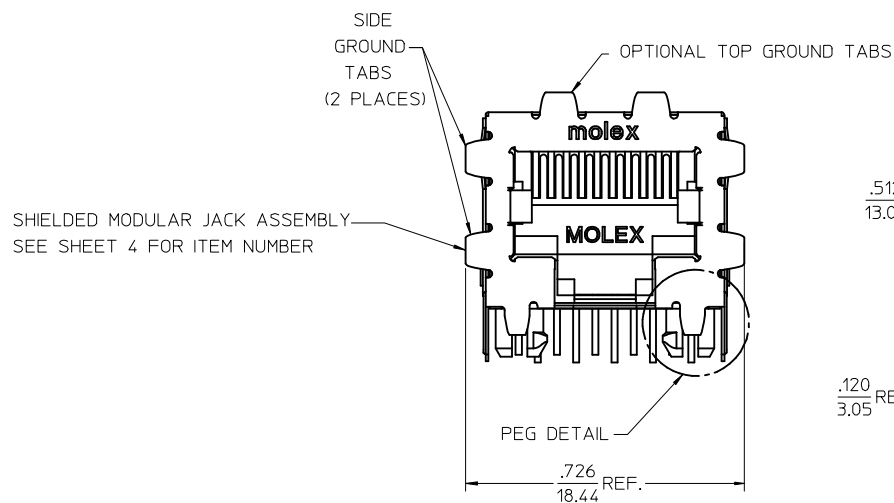


HOUSING SIZE	CIRCUIT SIZE	DIM. A	DIM. B	DIM. C
8	10	.600±.005 (15.24±0.13)	.450±.005 (11.43±0.13)	.620±.005 (15.75±0.13)
8	8	.600±.005 (15.24±0.13)	.350±.005 (8.89±0.13)	.620±.005 (15.75±0.13)
8	4	.600±.005 (15.24±0.13)	.150±.005 (3.81±0.13)	.620±.005 (15.75±0.13)
8	6	.600±.005 (15.24±0.13)	.250±.005 (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)

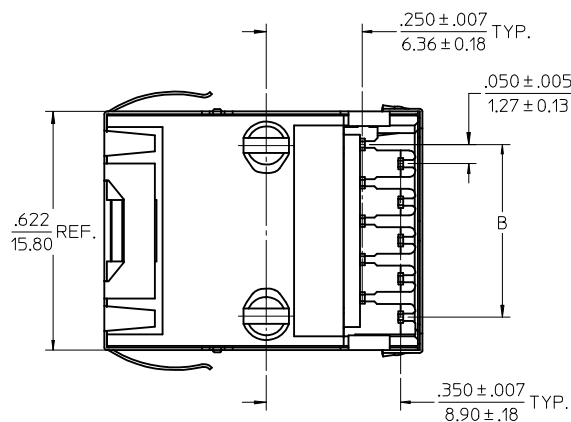
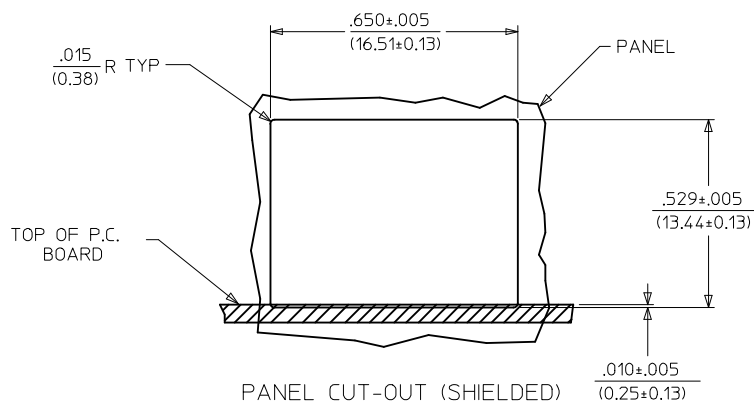
SEE SHEET 1 EC NO: UCP2009-0740 DRWN: JLOSTEME/ER 2008/09/29 CHKD: JBELL 2008/10/03 APPR: FSMITH 2008/10/03 K1	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY	DATE	TITLE LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY				
			4 PLACES	± ---	± ---	JTR	1993/06/23					
			3 PLACES	± ---	± .010	CHECKED BY	DATE	MOLEX MOLEX INCORPORATED				
			2 PLACES	± 0.25	± ---	JTR	1993/06/23					
			1 PLACE	± ---	± ---	APPROVED BY	DATE	MATERIAL NO. DOCUMENT NO. SHEET NO.				
ANGULAR ±1/2°		RAS	1993/06/23	SDA-43249 2 OF 6								
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			

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

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



PEG DETAIL
SCALE 8:1



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:JKLOSTEMEIER 2008/09/29
CHKD:JBELL 2008/10/03
APPR:FSMITH 2008/10/03

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES ±	± .010	± .004
3 PLACES ±	± .010	± .004
2 PLACES ±	± .025	± .010
1 PLACE ±	± .050	± .020

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

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

MATERIAL NO.
SEE SHEET 4

SIZE
C

SCALE
4:1

DESIGN UNITS
INCH

THIRD ANGLE PROJECTION

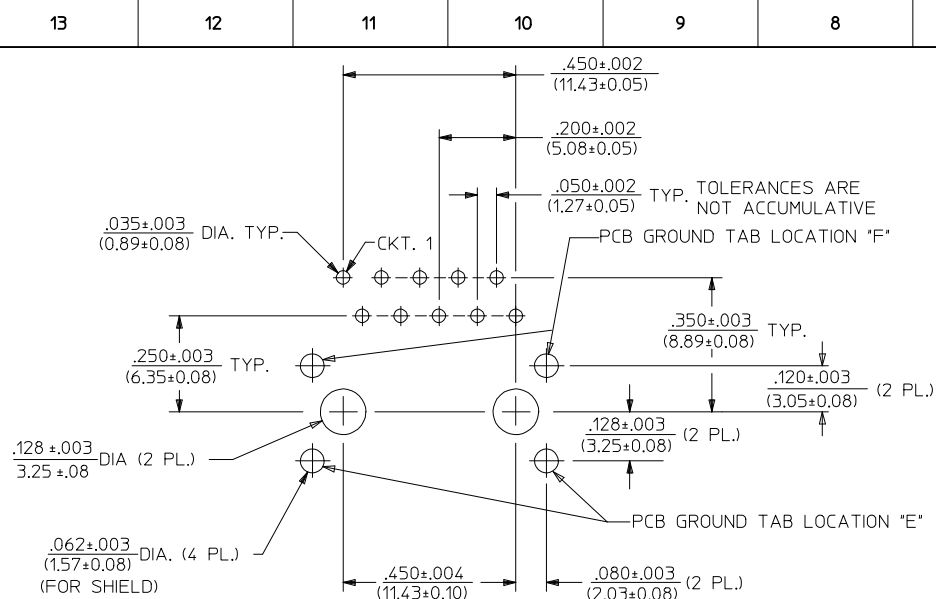
TITLE
LOW PROFILE RIGHT ANGLE
MODULAR JACK ASSEMBLY

MOLEX INCORPORATED

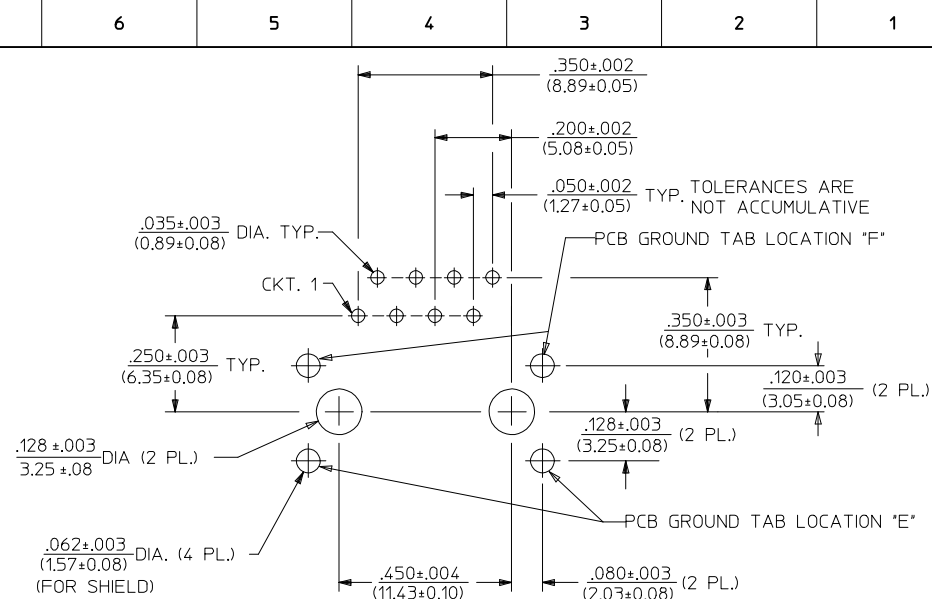
DOCUMENT NO.
SDA-43249

SHEET NO.
3 OF 6

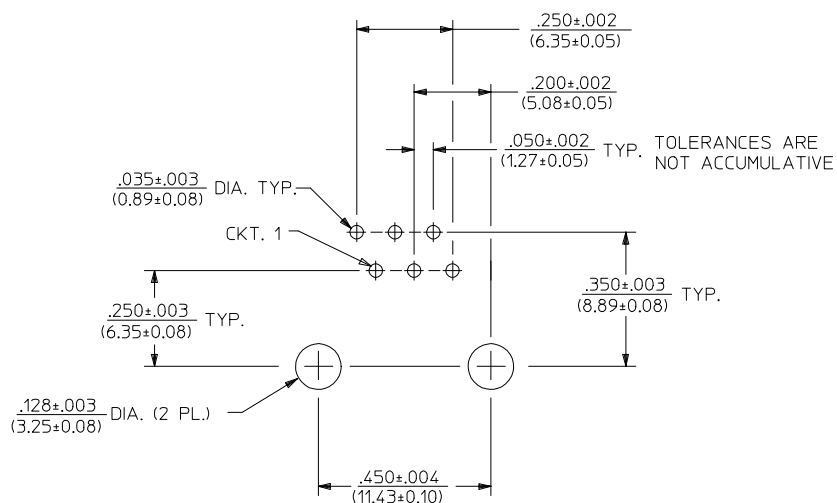
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



PC BOARD LAYOUT FOR SIZE 8, 10 CIRCUIT
(COMPONENT SIDE OF BOARD)



PC BOARD LAYOUT FOR SIZE 8, 8 CIRCUIT
(COMPONENT SIDE OF BOARD)

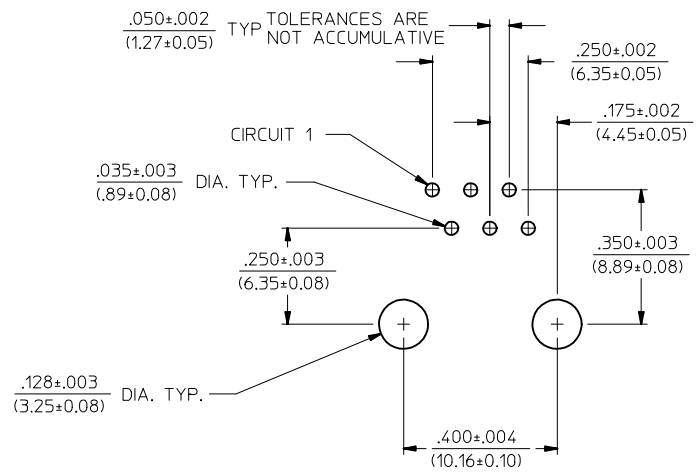


PC BOARD LAYOUT FOR SIZE 8, 6 CIRCUIT
(COMPONENT SIDE OF BOARD)

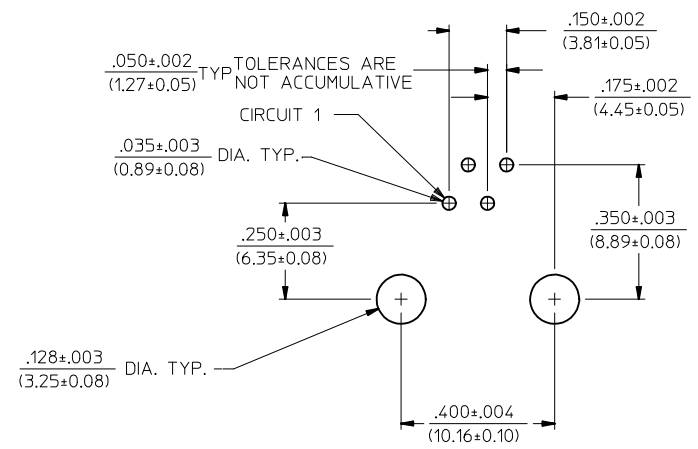
NOTES:
1. RECOMMENDED PCB THICKNESS: .062 ± .005 / (1.57 ± 0.13)

SEE SHEET 1 EC NO: UCP2009-0740 K1 DRWN: KLOSTEMEIER 2008/09/29 CHKD: JRELL 2008/10/03 APPR: FSMITH 2008/10/03	DESCRIPTION	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 1993/06/23		TITLE LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY	
			4 PLACES	± ---	± ---	CHECKED BY JTR		DATE 1993/06/23			
			3 PLACES	± ---	± .010	APPROVED BY RAS		DATE 1993/06/23		molex MOLEX INCORPORATED	
			2 PLACES	± 0.25	± ---	MATERIAL NO. RAS		DOCUMENT NO. SDA-43249		SHEET NO. 5 OF 6	
	REV		ANGULAR ±1/2°		SEE SHEET 4						
			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						

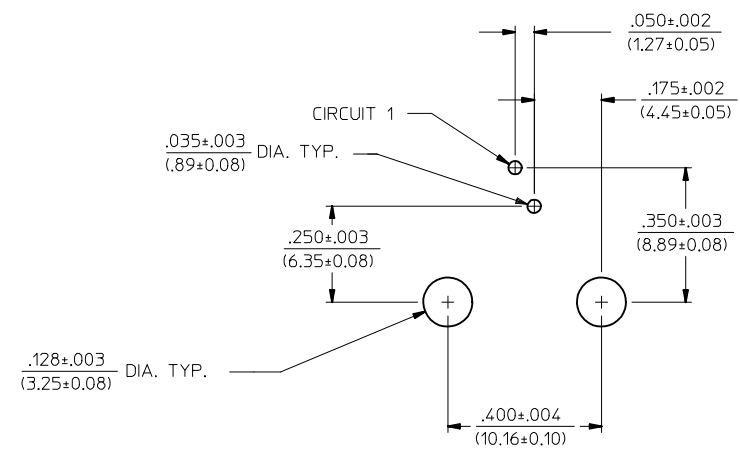
13 12 11 10 9 8 7 6 5 4 3 2 1



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: KLOSTEWIEC 2008/09/29 CHKD: J.BELL 2008/10/03 APPR: FSMITH 2008/10/03	DESCRIPTION	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 1993/06/23	TITLE LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY	
			4 PLACES	± ---	± ---	CHECKED BY	DATE		
			3 PLACES	± ---	± .010	JTR	1993/06/23		
			2 PLACES	± 0.25	± ---	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED	
			1 PLACE	± ---	± ---	RAS	1993/06/23		
			ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 4		SDA-43249		6 OF 6			
K1	REV		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[43249-8920](#)