

Excellent Integrated System Limited

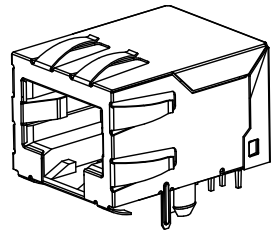
Stocking Distributor

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

[Molex Connector Corporation](#)
[43202-8919](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



SHIELDED MODULAR JACK
SHOWN WITH PANEL GROUND
OPTION 'D' AND FRONT
PCB GROUND TABS.

NOTES:

1) MATERIAL:

HOUSING: NYLON(PA), GLASS FILLED, UL94V-0, COLOR: SEE SHEETS 5 AND 6
INSULATOR: NYLON(PA), GLASS FILLED, UL94V-0, COLOR: SEE SHEETS 5 AND 6
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.
*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.

SHIELD:

- 100 MICROINCHES / 2.54 MICROMETERS NICKEL OVER 50 MICROINCHES / 1.27
MICROMETERS COPPER UNDERPLATE PCB GROUND TABS DIPPED IN TIN

3) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-43202.

4) PACKAGING SPECIFICATION:

- UNSHIELDED CONNECTOR ASSEMBLIES PACKAGED IN THERMOFORMED TRAYS
PER MOLEX PACKAGING SPECIFICATION PK-43202-003.
UNSHIELDED CONNECTOR ASSEMBLIES PACKAGED IN TUBES
PER MOLEX PACKAGING SPECIFICATION PK-43202-005.
SHIELDED CONNECTOR ASSEMBLIES PACKAGED IN THERMOFORMED TRAYS
PER MOLEX PACKAGING SPECIFICATION PK-43202-004.

5) SEE SHEETS 7 - 9 FOR P.C. BOARD LAYOUTS.

6) CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.

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

DRAWING LEGEND

SHEET 1- NOTES, DRAWING LEGEND
SHEET 2- SHIELDED MODULAR JACK W/ BOTTOM GROUND TABS
SHEET 3- SHIELDED MODULAR JACK W/O BOTTOM GROUND TABS
SHEET 4- UNSHIELDED MODULAR JACK
SHEET 5- PART NUMBER CHARTS
SHEET 6- PART NUMBER CHARTS
SHEET 7- FOOTPRINT LAYOUT FOR 4 POSITION HOUSING
SHEET 8- FOOTPRINT LAYOUT FOR 6 POSITION HOUSING
SHEET 9- FOOTPRINT LAYOUT FOR 8 POSITION HOUSING

ADD VIEWS EC NO: UCP202-2472 DRAWING NO: 2012/02/09 CHKD: JELL APPR: SMITH 2012/02/09	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
			4 PLACES	± .005	± .010	DRAWN BY	DATE	TITLE	ULTRA LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY MOLEX INCORPORATED		
			3 PLACES	± .005	± .010	CHECKED BY	DATE				
			2 PLACES	± .025	± .014	JTR	1993/03/31				
1 PLACE	± .036	± .011	APPROVED BY	DATE							
REV	DESCRIPTION	QUALITY SYMBOLS	ANGULAR ±1/2°		SMITH		2012/02/09	MOLEX INCORPORATED			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
					SEE SHTS 5&6		SDA-43202		1 OF 9		
L5				SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

SIZE 8 LOADED 10 VERSION SHOWN

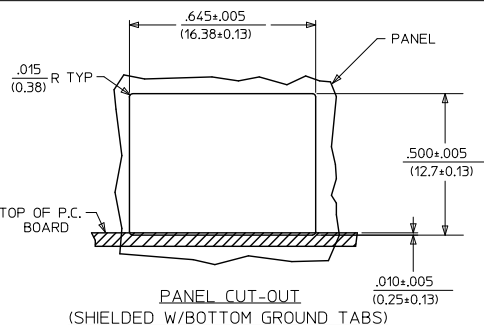
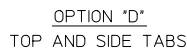
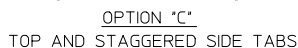
OPTION "A"
NO TOP OR SIDE TABS



— BOTTOM
GROUND TABS

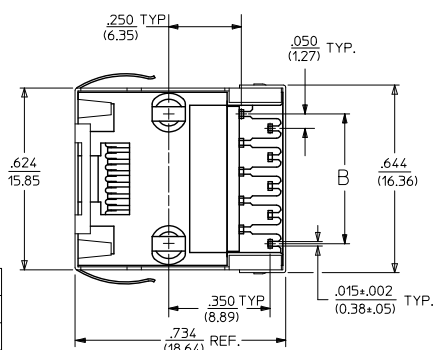
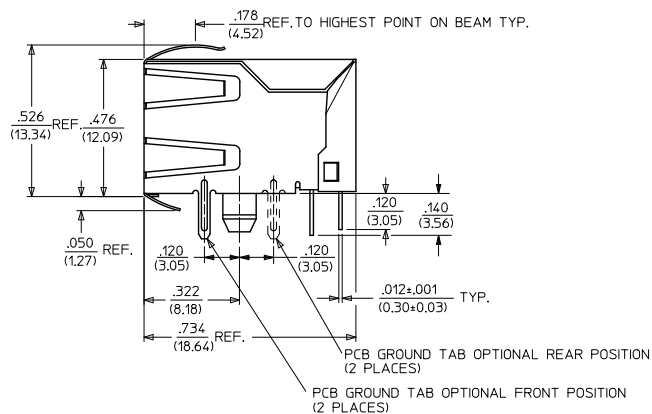
OPTIONAL TOP GROUND TABS:

— SHIELDED MODULAR JACK ASSEMBLY
SEE SHEET 5 FOR MATERIAL NO.



HOUSING SIZE	CIRCUIT SIZE	B
8	10	450±.005 11.43±.13
8	8	350±.005 8.89±.13

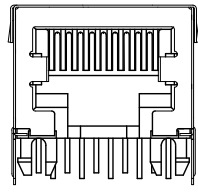
SEE SHEET 1 EC NO: UJF202-2472 DRAWING NO CHKD: BELL APPR: SMITH DATE: 2012/02/09	2012/02/03 2012/02/03 2012/02/09	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 3 PLACES ± .000 ± .010 3 PLACES ± .025 ± .014 1 PLACE ± .036 ± .014 ANGULAR ±1/2°	DIMENSION STYLE IN/MM DRAWN BY DATE JTR 1993/03/31 CHECKED BY DATE JTR 1993/03/31 APPROVED BY DATE FSM1TH 2012/02/09	SCALE 4:1 DESIGN UNITS INCH THIRD ANGLE PROJECTION	TITLE ULTRA LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY	MOLEX MOLEX INCORPORATED	MATERIAL NO. SEE SHEET 5 SIZE 1	DOCUMENT NO. SDA-43202	SHEET NO. 2 OF 9
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
	MOLEX INCORPORATED									
	MOLEX INCORPORATED									



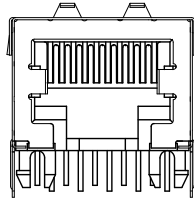
SHIELDED MODULAR JACK W/O BOTTOM GROUND TABS

SIZE 8, LOADED 10 VERSION SHOWN

SIDE/TOP GROUND TAB OPTIONS FOR SHIELDS



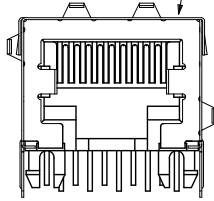
OPTION "E"
NO TOP OR SIDE TABS



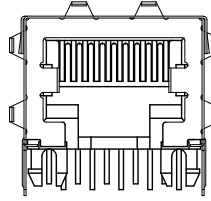
OPTION "F"
TOP TABS

OPTIONAL TOP GROUND TABS

SHIELDED MODULAR JACK ASSEMBLY
SEE SHEET 6 FOR MATERIAL NO.

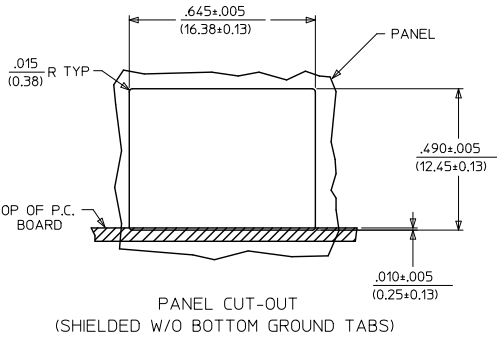


OPTION "G"
TOP AND STAGGERED SIDE TABS



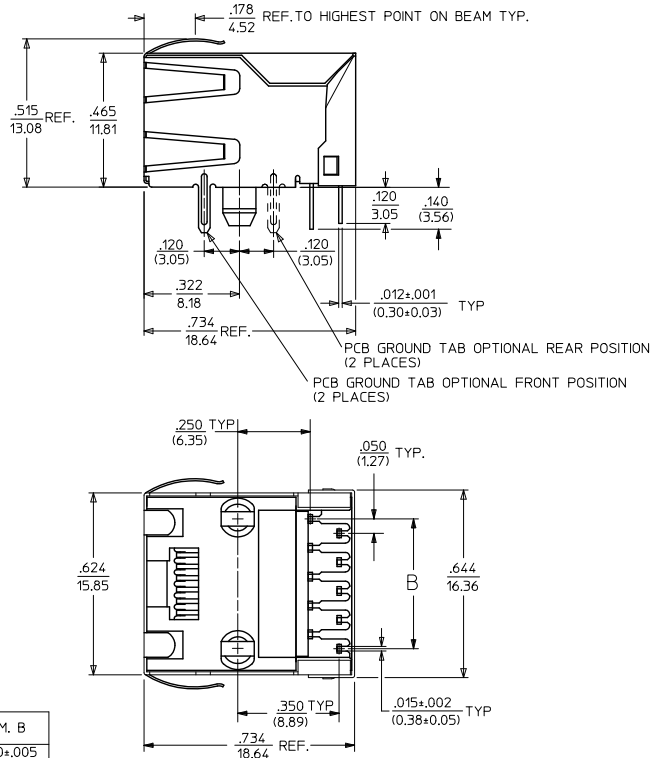
OPTION "H"
TOP AND SIDE TABS

OPTIONAL SIDE
GROUND TABS
(2 PLACES)

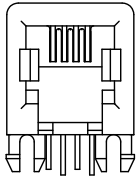


PANEL CUT-OUT
(SHIELDED W/O BOTTOM GROUND TABS)

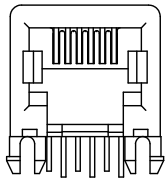
HOUSING SIZE	CIRCUIT SIZE	DIM. B
8	10	.450±.005 (11.43±0.13)
8	8	.350±.005 (8.89±0.13)



SEE SHEET 1 EC NO. UCP2019-2472 DRAWING NO. 00
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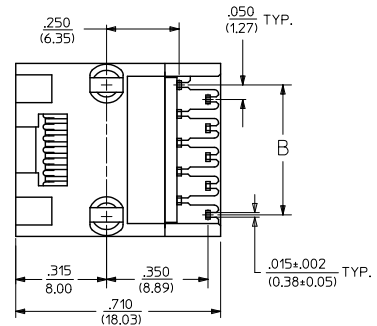
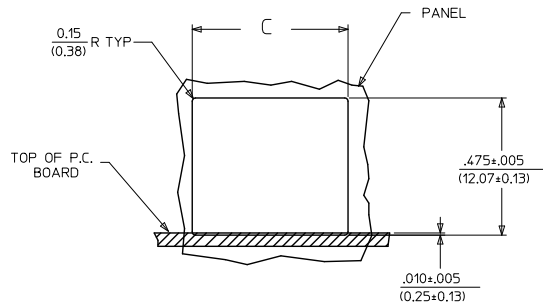
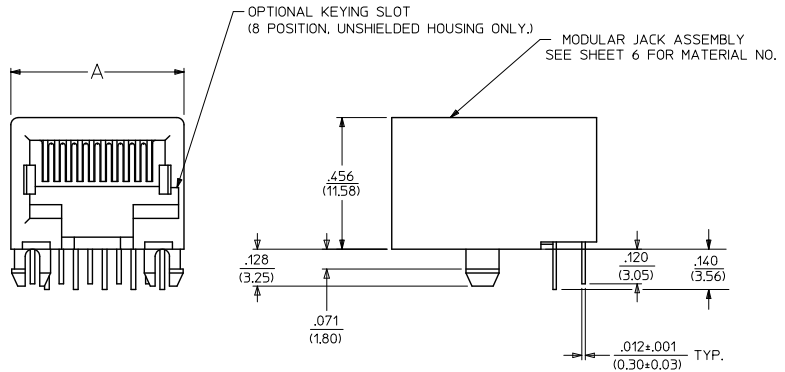
SIZE 4
LOADED 4 SHOWN



SIZE 6
LOADED 6 SHOWN

UNSHIELDED MODULAR JACKS

SIZE 8, LOADED 10 SHOWN



HOUSING SIZE	LOADED CIRCUITS	A	B	C
4	4	.440 (11.18)	.150±.005 (3.81±0.13)	.460±.005 (11.68±0.13)
4	2	.440 (11.18)	.050±.005 (1.27±0.13)	.460±.005 (11.68±0.13)
6	6	.520 (13.21)	.250±.005 (6.35±0.13)	.540±.005 (13.72±0.13)
6	4	.520 (13.21)	.150±.005 (3.81±0.13)	.540±.005 (13.72±0.13)
6	2	.520 (13.21)	.050±.005 (1.27±0.13)	.540±.005 (13.72±0.13)
8	10	.600 (15.24)	.450±.005 (11.43±0.13)	.620±.005 (15.75±0.13)
8	8	.600 (15.24)	.350±.005 (8.89±0.13)	.620±.005 (15.75±0.13)
8	6	.600 (15.24)	.250±.005 (6.35±0.13)	.620±.005 (15.75±0.13)
8	4	.600 (15.24)	.150±.005 (3.81±0.13)	.620±.005 (15.75±0.13)
8	2	.600 (15.24)	.050±.005 (1.27±0.13)	.620±.005 (15.75±0.13)

PANEL CUT-OUT (UNSHIELDED)

REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
			mm	INCH	IN/MM	DATE			
1	4 PLACES ±.005	▽=0	±.005	±.005	JTR	1993/03/31	4:1	INCH	THIRD ANGLE PROJECTION
2	3 PLACES ±.010	▽=0	±.010	±.010	JTR	1993/03/31			
3	2 PLACES ±.025	▽=0	±.025	±.014	JTR	1993/03/31			
4	1 PLACE ±.036	▽=0	±.036	±.014	JTR	1993/03/31			
5	ANGULAR ±1/2°	▽=0	±1/2°	±1/2°	JTR	1993/03/31			
6	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	▽=0			JTR	1993/03/31			
7	SEE SHEET 1				JTR	1993/03/31			
8	EC NO: UCP202-2472				JTR	1993/03/31			
9	2012/02/09				JTR	1993/03/31			
10	2012/02/09				JTR	1993/03/31			
11	2012/02/09				JTR	1993/03/31			
12	2012/02/09				JTR	1993/03/31			
13	2012/02/09				JTR	1993/03/31			

SHIELDED MODULAR JACKS W/BOTTOM GROUND TABS (SHEET 2)

ASSEMBLY MATERIAL NUMBER	CONNECTOR SIZE	NUMBER OF CIRCUITS	SIDE/TOP PANEL GROUND TAB OPTION	PCB GROUND TAB OPTION	TERMINAL PLATING OPTION	PACKAGING OPTION	HOUSING COLOR
43202-8900	8	10	A	FRONT POSITION	A	TRAY	BLACK
43202-8901	8	10	B	FRONT POSITION	A	TRAY	
43202-8902	8	10	C	FRONT POSITION	A	TRAY	
43202-8903	8	10	D	FRONT POSITION	A	TRAY	
43202-8908	8	10	A	REAR POSITION	A	TRAY	
43202-8909	8	10	B	REAR POSITION	A	TRAY	
43202-8910	8	10	C	REAR POSITION	A	TRAY	
43202-8911	8	10	D	REAR POSITION	A	TRAY	
43202-8916	8	8	A	FRONT POSITION	A	TRAY	
43202-8917	8	8	B	FRONT POSITION	A	TRAY	
43202-8918	8	8	C	FRONT POSITION	A	TRAY	
43202-8919	8	8	D	FRONT POSITION	A	TRAY	
43202-8924	8	8	A	REAR POSITION	A	TRAY	
43202-8925	8	8	B	REAR POSITION	A	TRAY	
43202-8926	8	8	C	REAR POSITION	A	TRAY	
43202-8927	8	8	D	REAR POSITION	A	TRAY	

SEE SHEET 1 EC NO: UCP202-2472 DRAWING NO: 2012/02/09 CHKD: JELL APPR: SMITH L5	2012/02/03	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
	2012/02/03								
	2012/02/09								
					ULTRA LOW PROFILE				
					RIGHT ANGLE MODULAR JACK				
					ASSEMBLY				
					MOLEX INCORPORATED				

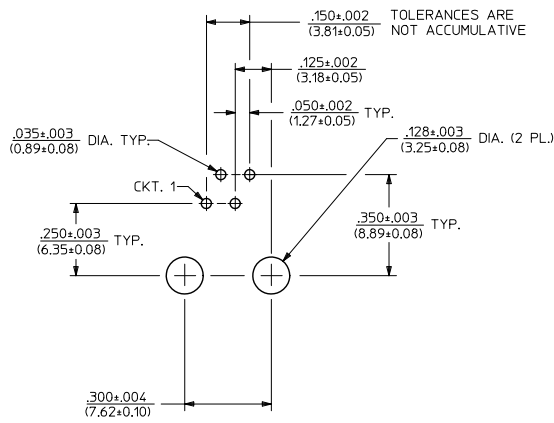
SHIELDED MODULAR JACKS W/O BOTTOM GROUND TABS (SHEET 3)

ASSEMBLY MATERIAL NUMBER	CONNECTOR SIZE	NUMBER OF CIRCUITS	SIDE/TOP PANEL GROUND TAB OPTION	PCB GROUND TAB OPTION	TERMINAL PLATING OPTION	PACKAGING	HOUSING COLOR
43202-8800	8	10	E	FRONT POSITION	A	TRAY	BLACK
43202-8801	8	10	F	FRONT POSITION	A	TRAY	
43202-8802	8	10	G	FRONT POSITION	A	TRAY	
43202-8803	8	10	H	FRONT POSITION	A	TRAY	
43202-8808	8	10	E	REAR POSITION	A	TRAY	
43202-8809	8	10	F	REAR POSITION	A	TRAY	
43202-8810	8	10	G	REAR POSITION	A	TRAY	
43202-8811	8	10	H	REAR POSITION	A	TRAY	
43202-8816	8	8	E	FRONT POSITION	A	TRAY	
43202-8817	8	8	F	FRONT POSITION	A	TRAY	
43202-8818	8	8	G	FRONT POSITION	A	TRAY	
43202-8819	8	8	H	FRONT POSITION	A	TRAY	
43202-8824	8	8	E	REAR POSITION	A	TRAY	
43202-8825	8	8	F	REAR POSITION	A	TRAY	
43202-8826	8	8	G	REAR POSITION	A	TRAY	
43202-8827	8	8	H	REAR POSITION	A	TRAY	

UNSHIELDED MODULAR JACKS- (SHEET 4)

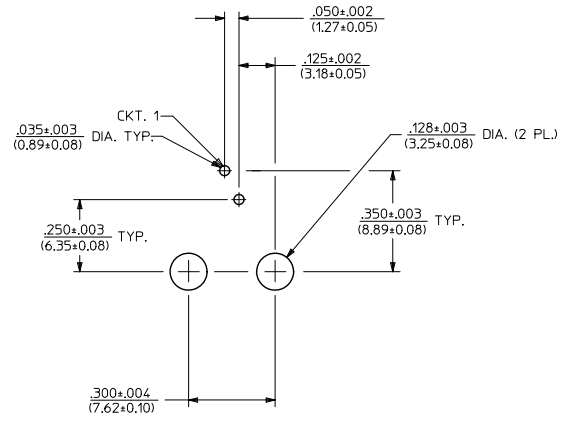
ASSEMBLY MATERIAL NUMBER	CONNECTOR SIZE	NUMBER OF CIRCUITS	TERMINAL PLATING OPTION	KEYING OPTION	PACKAGING OPTION	HOUSING COLOR
43202-4101	4	4	A	NO	TRAY	BLACK
43202-4104	4	2	A	NO	TRAY	
43202-6101	6	6	A	NO	TRAY	
43202-6102	6	6	B	NO	TRAY	
43202-6104	6	4	A	NO	TRAY	
43202-6105	6	4	B	NO	TRAY	
43202-6107	6	2	A	NO	TRAY	
43202-6110	6	6	B	NO	TUBE	
43202-6113	6	2	A	NO	TRAY	ORANGE
43202-6116	6	2	A	NO	TRAY	GREEN
43202-8101	8	10	A	NO	TRAY	BLACK
43202-8104	8	8	A	NO	TRAY	
43202-8105	8	8	B	NO	TRAY	
43202-8113	8	8	A	YES	TRAY	
43202-8116	8	6	A	NO	TRAY	
43202-8119	8	4	A	NO	TRAY	
43202-8122	8	2	A	NO	TRAY	
43202-8125	8	8	A	NO	TRAY	BLUE
43202-8504	8	8	A	NO	TUBE	BLACK
43202-8513	8	8	A	YES	TUBE	

SEE SHEET 1 EC NO: UCP202-2472 DRAWING NO: 2012/02/09 CHKD: JELL APPR: SMITH L5	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
		4 PLACES ± ---	± ---	DRAWN BY JTR	DATE 1993/03/31	TITLE ULTRA LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY					
		3 PLACES ± ---	± .010	CHECKED BY JTR	DATE 1993/03/31	MOLEX INCORPORATED					
		2 PLACES ± 0.25	± .014	APPROVED BY FSMITH	DATE 2012/02/09	MATERIAL NO. SDA-43202					
1 PLACE ± 0.36		± ---	ANGULAR ± 1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		DOCUMENT NO. SDA-43202		SHEET NO. 6 OF 9
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											



PC BOARD LAYOUT FOR 4 POSITION HOUSING

(4 CIRCUIT FOOT PRINT SHOWN)
(COMPONENT SIDE OF BOARD)

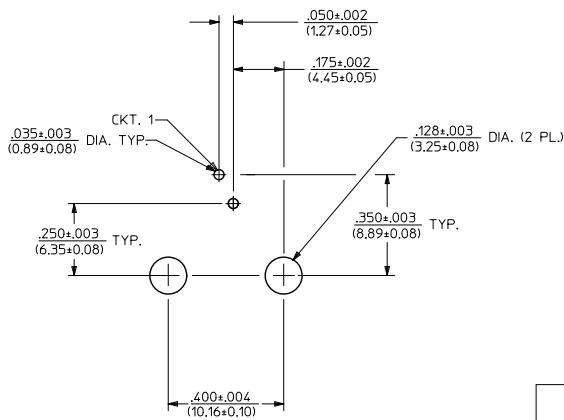
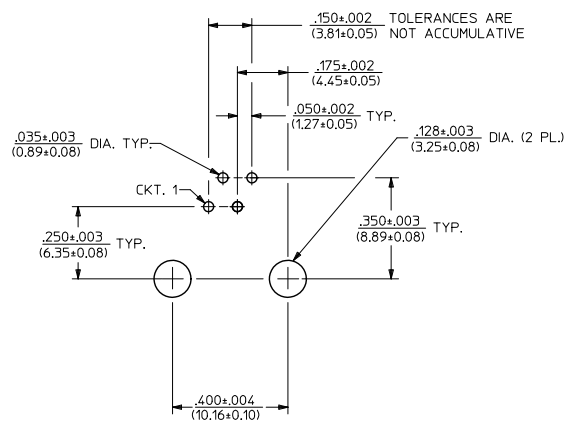
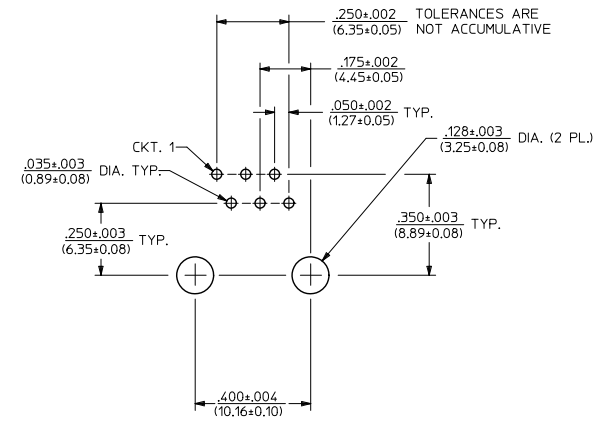


PC BOARD LAYOUT FOR 4 POSITION HOUSING

(2 CIRCUIT FOOT PRINT SHOWN)
(COMPONENT SIDE OF BOARD)

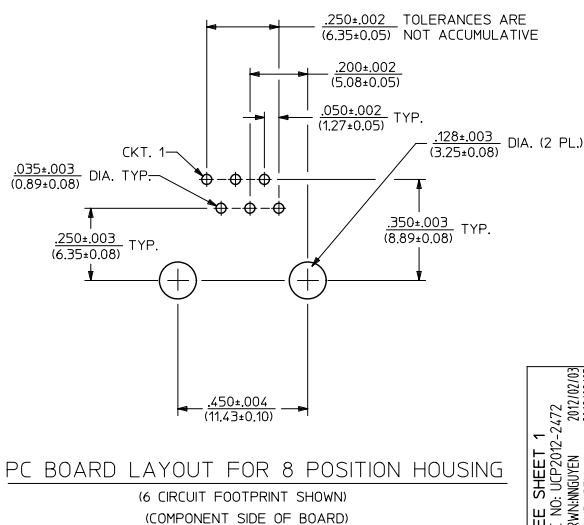
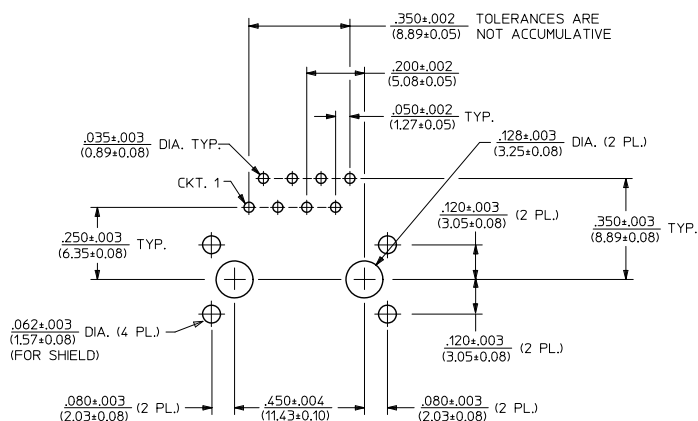
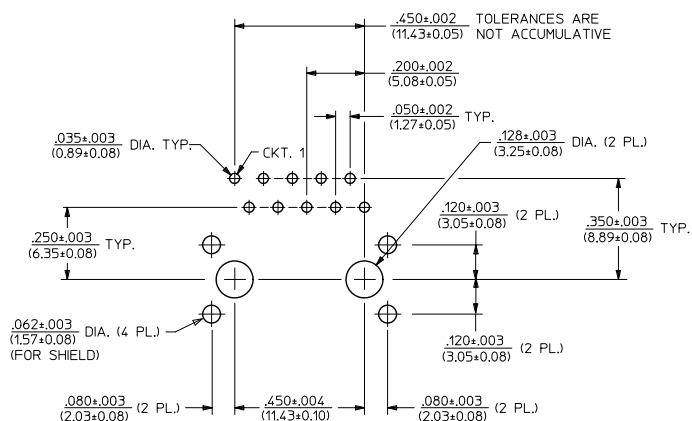
NOTES:
1. RECOMMENDED PCB THICKNESS: .062±.005/(1.57±0.13)

SEE SHEET 1 EC NO: UCP2012-2472 DRAWINGNO: DPMWANGWEN CHKD: JELL APPV: FSWTH 2012/02/03 2012/02/03 2012/02/03	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION			
				IN/MM		4:1	INCH				
	 =0	mm INCH		DRAWN BY DATE		TITLE					
				JTR 1993/03/31							
	 =0	4 PLACES ±.005 ±.005		CHECKED BY DATE		ULTRA LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY					
		3 PLACES ±.010 ±.010		JTR 1993/03/31							
	 =0	2 PLACES ±.025 ±.014		APPROVED BY DATE					MOLEX INCORPORATED		
		1 PLACE ±.036 ±.036		FSMITH 2012/02/09							
		ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 6		SDA-43202		7 OF 9			
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								



NOTES:
1. RECOMMENDED PCB THICKNESS: .062 $\pm$.005/(1.57 $\pm$ 0.13)

SEE SHEET 1 EC NO: UC2P02-2472 DRAWING NO: CHKD:JRH 2012/02/03 2012/02/03 2012/02/09 APPR:JRH	L5	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE 4:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION	TITLE ULTRA LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY MOLEX INCORPORATED	SHEET NO. 8 OF 9		
							IN/MM							DATE	
					mm		INCH							DRAWN BY	
					4 PLACES ±		±							JTR 1993/03/31	
					3 PLACES ±		±.010							CHECKED BY	
					2 PLACES ±		±.014							JTR 1993/03/31	
					1 PLACE ±		0.36 ±							APPROVED BY	
					ANGULAR ±1/2°		DATE							FSMITH 2012/02/09	
							MATERIAL NO.							DOCUMENT NO.	
							SEE SHEET 6							SDA-43202	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



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

SEE SHEET 1 EC NO: UCP202-2472 DRAWN BY: NGUYEN CHECKED: JELL APPRO: SMITH REV 1	2020/02/03	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE
	2020/02/03		(UNLESS SPECIFIED)		IN/MM		4:1	INCH	PROJECTION
	2020/02/09		mm	INCH	DRAWN BY	DATE	TITLE		
	▽=0		4 PLACES ± .005 ± .001	JTR	1993/03/31	ULTRA LOW PROFILE			
	▽=0		3 PLACES ± .005 ± .010	CHECKED BY	DATE	RIGHT ANGLE MODULAR JACK			
	▽=0		2 PLACES ± 0.25 ± .014	JTR	1993/03/31	ASSEMBLY			
	▽=0		1 PLACE ± 0.36 ± .014	APPROVED BY	DATE				
			ANGULAR ± 1/2°	FSMITH	2012/02/09	MOLEX INCORPORATED			
				MATERIAL NO.		DOCUMENT NO.			
				SIZE	SEE SHTS 5&6	SDA-43202		SHEET NO.	
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					9 OF 9	