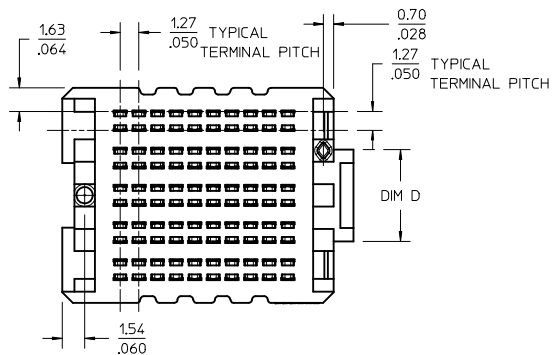
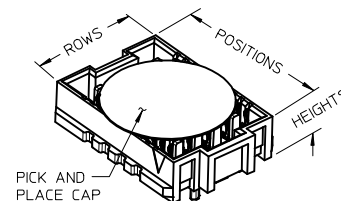
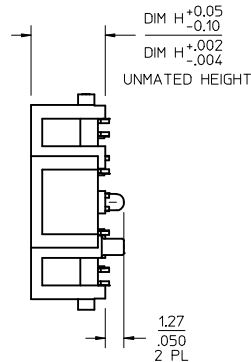
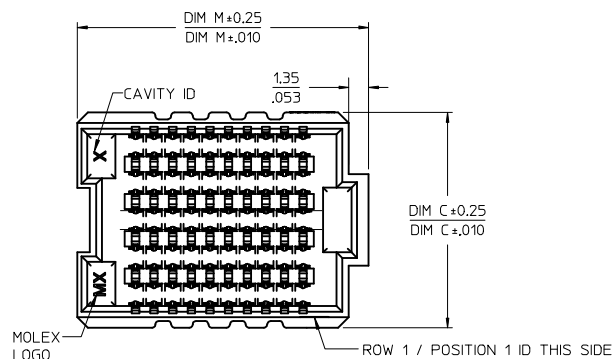


10 ROW
10 POSITION
SHOWN



POSITION	
10	0.15/.006
20	0.15/.006
30	0.15/.006
40	0.15/.006
50	0.15/.006
15	0.15/.006
25	0.15/.006
35	0.23/.009
45	0.23/.009

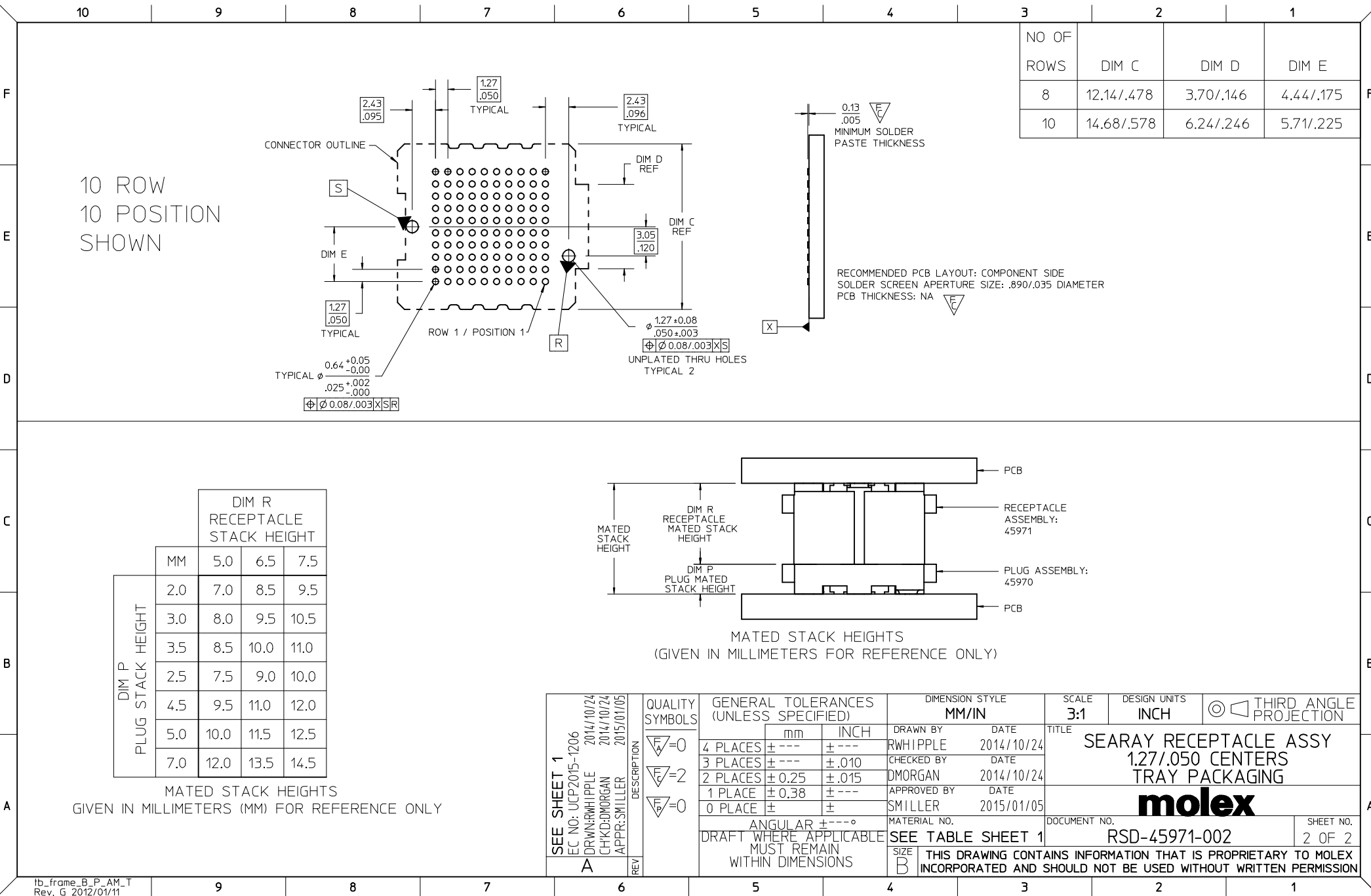
ROWS: 10				
DIM R: (REF)	5.0 MM	6.5 MM	7.5 MM	
DIM H:	5.04/.199	6.55/.258	7.54/.297	
POSITION	DIM M	MATERIAL NO	MATERIAL NO	MATERIAL NO
20	32.52/1.282	45971-3111	45971-2311	
30	45.26/1.782			
40	57.96/2.282			45971-4411

MATED STACK HEIGHTS
(GIVEN IN MILLIMETERS FOR REFERENCE ONLY)

INITIAL RELEASE EC NO: UCP2015-1206 DRAWN:RWHIPPLE 2014/10/24 CHKD:DMORGAN 2014/10/24 APPR:SMILLER 2015/01/05 A	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM/IN		SCALE 3:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY RWHIPPLE	DATE 2014/10/24	TITLE SEARAY RECEPTACLE ASSY 1.27/.050 CENTERS TRAY PACKAGING molex	DOCUMENT NO. RSD-45971-002	SHEET NO. 1 OF 2
			4 PLACES	± ---	± ---	CHECKED BY DMORGAN	DATE 2014/10/24			
			3 PLACES	± ---	± .010					
			2 PLACES	± 0.25	± .015					
			1 PLACE	± 0.38	± ---	APPROVED BY SMILLER	DATE 2015/01/05			
			0 PLACE	±	±					
			ANGULAR ±---°			MATERIAL NO.				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE				
	REV					SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

NOTES:

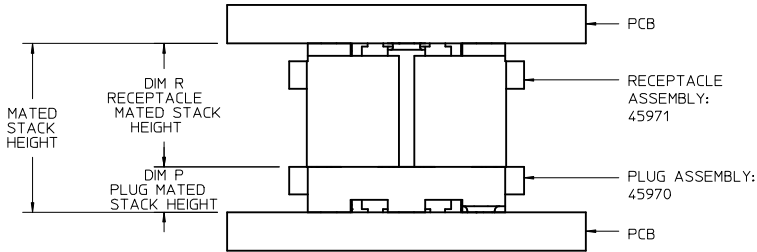
1. MATERIALS: HOUSING: LCP, GLASS FILLED, UL94V-0, BLACK
CONTACTS: COPPER ALLOY
SOLDER CHARGE: 95.5% TIN, 3.8% SILVER, 0.7% COPPER
2. FINISH: SELECT GOLD IN CONTACT AREA: 30 MICROINCH MINIMUM
SELECT TIN IN TAIL, 50 MICROINCH MINIMUM
OVERALL - NICKEL UNDERPLATE OVERALL
3. PRODUCT SPECIFICATION: PS-45970-001
4. PACKAGING SPECIFICATION: TRAY PACK PK-45971-001
5. MATES WITH SEARAY PLUG ASSEMBLY 45970
6. APPLICATION SPECIFICATION: AS-45970-001
7. COSMETIC SPECIFICATION: PS-45499-002 CLASS B
8. PART STATUS: CONTACT MOLEX



NO OF ROWS	DIM C	DIM D	DIM E
8	12.14/.478	3.70/.146	4.44/.175
10	14.68/.578	6.24/.246	5.71/.225

DIM P PLUG STACK HEIGHT	DIM R RECEPTACLE STACK HEIGHT			
	MM	5.0	6.5	7.5
	2.0	7.0	8.5	9.5
	3.0	8.0	9.5	10.5
	3.5	8.5	10.0	11.0
	2.5	7.5	9.0	10.0
	4.5	9.5	11.0	12.0
	5.0	10.0	11.5	12.5
	7.0	12.0	13.5	14.5

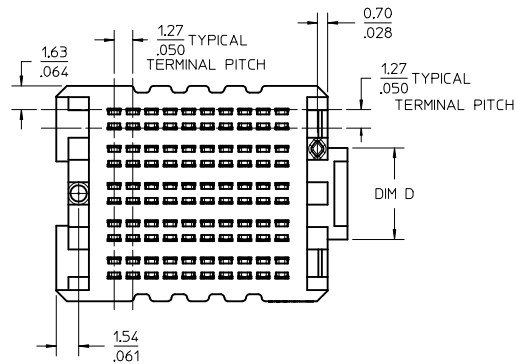
MATED STACK HEIGHTS
GIVEN IN MILLIMETERS (MM) FOR REFERENCE ONLY



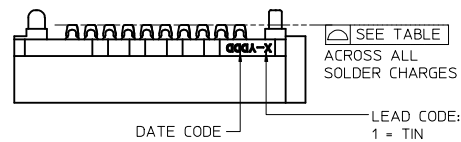
MATED STACK HEIGHTS
(GIVEN IN MILLIMETERS FOR REFERENCE ONLY)

SEE SHEET 1 EC NO: UCP2015-1206 DRWN:RWHIPPLE 2014/10/24 CHKD:DMORGAN 2014/10/24 APPR:SMILLER 2015/01/05 A	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 3:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
		$F_A=0$ $F_G=2$ $F_P=0$		mm	INCH	DRAWN BY	DATE	TITLE SEARAY RECEPTACLE ASSY 1.27/.050 CENTERS TRAY PACKAGING molex				
			4 PLACES	± ---	± ---	RWHIPPLE	2014/10/24					
			3 PLACES	± ---	± .010	CHECKED BY	DATE					
			2 PLACES	± 0.25	± .015	DMORGAN	2014/10/24					
			1 PLACE	± 0.38	± ---	APPROVED BY	DATE					
		0 PLACE	±	±	SMILLER	2015/01/05						
ANGULAR ± ---°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE SHEET 1		RSD-45971-002		2 OF 2						
SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

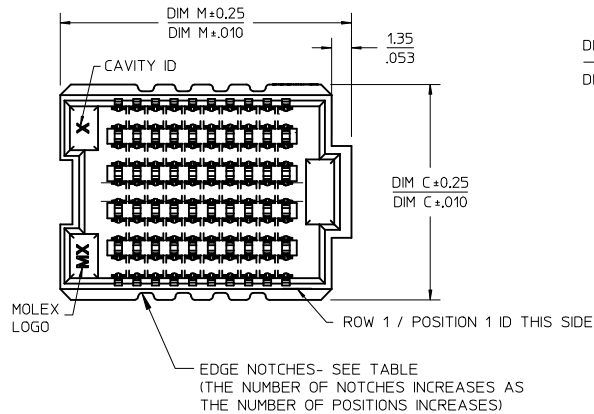
10 9 8 7 6 5 4 3 2 1



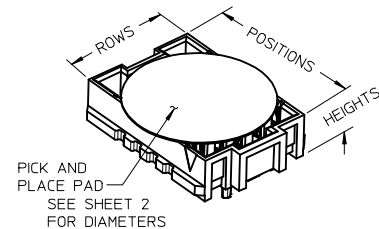
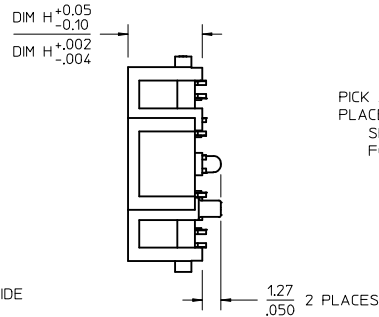
10 ROW
10 POSITION
SHOWN



NOTE: THESE CODES MAY BE LOCATED
ON EITHER SIDE OF THE HOUSING



SEE SHEET 3 FOR
6 ROW GEOMETRY

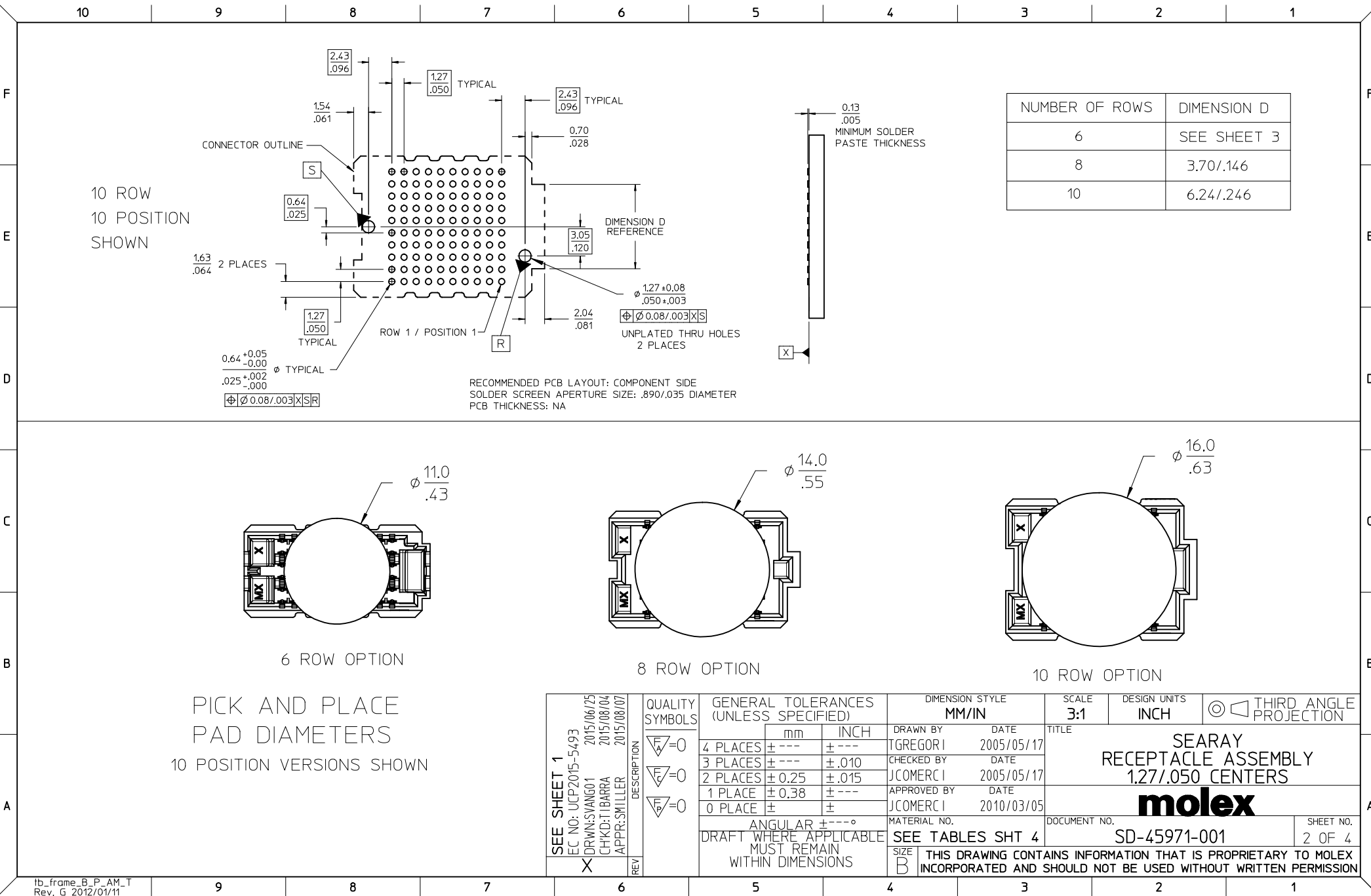


NOTES:

1. MATERIALS: HOUSING: GLASS FILLED LCP (LIQUID CRYSTAL POLYMER), UL94V-0, BLACK
CONTACTS: COPPER ALLOY
SOLDER CHARGE: 95% TIN, 3.8% SILVER, 0.7% COPPER
2. FINISH: SELECT GOLD IN CONTACT AREA: 30 MICROINCH MINIMUM
SELECT TIN IN TAIL, 50 MICROINCH MINIMUM
OVERALL NICKEL UNDERPLATE
3. PRODUCT SPECIFICATION: PS-45970-001
4. PACKAGING SPECIFICATION: PK-45971-002 (TAPE AND REEL)
5. MATES WITH SEARAY PLUG ASSEMBLY SERIES 45970
6. APPLICATION SPECIFICATION: AS-45970-001
7. COSMETIC SPECIFICATION: PS-45499-002 CLASS B
8. PART STATUS: CONTACT MOLEX

POSITIONS	TOTAL NUMBER OF EDGE NOTCHES	
10	8	0.15/.006
15	14	
20	18	
25	24	
30	28	
35	34	
40	38	0.23/.009
45	44	
50	48	

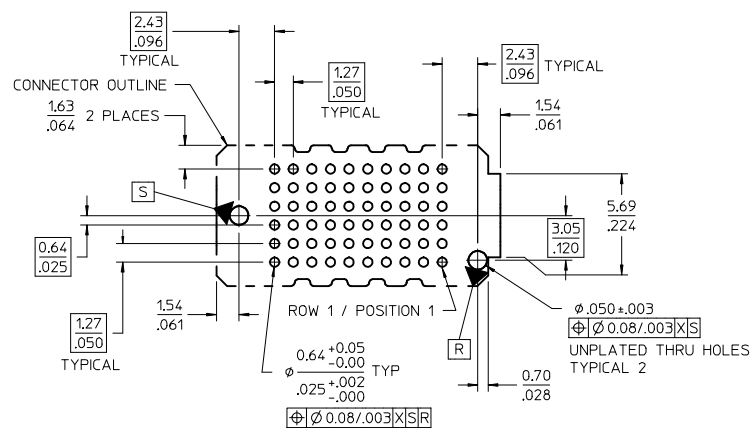
CLARIFY OVERALL LENGTH EC NO: UCP2015-5493 DRAWN: SVANG01 2015/06/15 CHKD: TIBARRA 2015/08/04 APPR: SMILLER 2015/08/07	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .015 1 PLACE ± 0.38 ± --- 0 PLACE ± ± ANGULAR ± ---° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM/IN DRAWN BY DATE TREGOR I 2005/05/17 CHECKED BY DATE JCOMERCI 2005/05/17 APPROVED BY DATE JCOMERCI 2010/03/05 MATERIAL NO. SEE TABLES SHT 4 SIZE B	SCALE 3:1 DESIGN UNITS INCH THIRD ANGLE PROJECTION	TITLE SEARAY RECEPTACLE ASSEMBLY 1.27/.050 CENTERS molex		DOCUMENT NO. SD-45971-001 SHEET NO. 1 OF 4



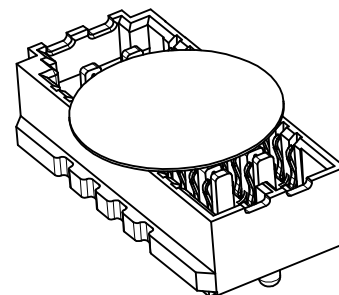
NUMBER OF ROWS	DIMENSION D
6	SEE SHEET 3
8	3.70/.146
10	6.24/.246

PICK AND PLACE
PAD DIAMETERS
10 POSITION VERSIONS SHOWN

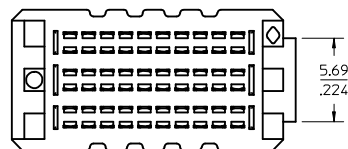
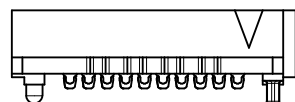
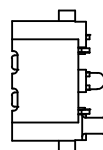
SEE SHEET 1 EC NO: UCP2015-5493 DRWN:SVANG01 2015/06/25 CHKD:TIBARRA 2015/08/04 APPR:SMILLER 2015/08/07	DESCRIPTION	QUALITY SYMBOLS F_A=0 F_C=0 F_P=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 3:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY TGREGORI	DATE 2005/05/17	TITLE SEARAY RECEPTACLE ASSEMBLY 1.27/.050 CENTERS molex					
			4 PLACES	± ---	± ---	CHECKED BY JCOMERC I	DATE 2005/05/17						
			3 PLACES	± ---	± .010	APPROVED BY JCOMERC I	DATE 2010/03/05						
			2 PLACES	± 0.25	± .015	MATERIAL NO. SEE TABLES SHT 4			DOCUMENT NO. SD-45971-001			SHEET NO. 2 OF 4	
			1 PLACE	± 0.38	± ---								
0 PLACE	±	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										
ANGULAR ± ---°													
REV X			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										



RECOMMENDED PCB LAYOUT: COMPONENT SIDE
SOLDER SCREEN APERTURE SIZE: .089/.035 DIAMETER
PCB THICKNESS: NA



Technical drawing of a 16-pin D-sub connector housing. The drawing shows a top-down view of the housing with two rows of pins. Dimensions are provided: overall width is DIM M ± 0.25 , overall height is 9.60 ± 0.25 , and pin pitch is 0.84. A detail view of a pin is shown with a diameter of 0.378 ± 0.10 . The housing has a notch on the left side labeled 'X' and a rectangular cutout on the right side labeled 'MX'.



SEE SHEET 1 EC NO: UCP2015-5493 DRWNS-VANG01 2015/06/25 CHKD: TIBARRA 2015/08/04 APPR: SMILLER 2015/08/07	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
				MM/IN		3:1	INCH				
						TITLE SEARAY RECEPTACLE ASSEMBLY 1.277.050 CENTERS					
						molex					
						DOCUMENT NO.		SHEET NO. 3 OF 4			
						SD-45971-001					
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

