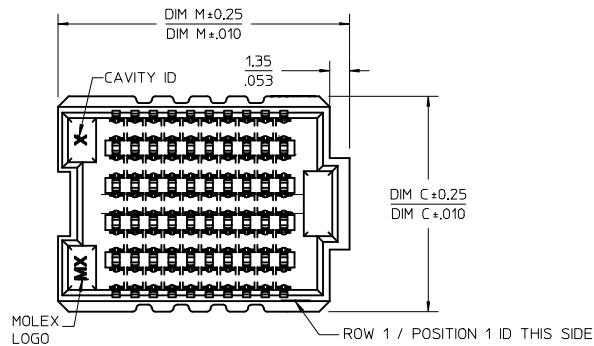
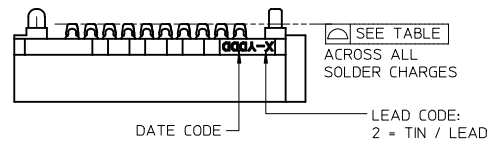
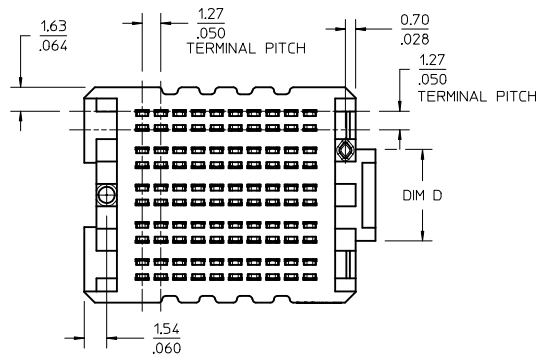
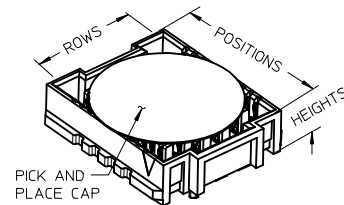
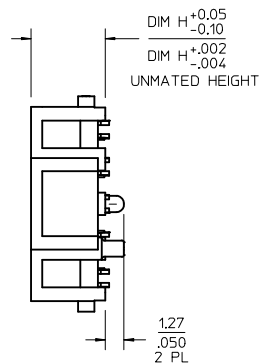


10 9 8 7 6 5 4 3 2 1



10 ROW
10 POSITION
SHOWN



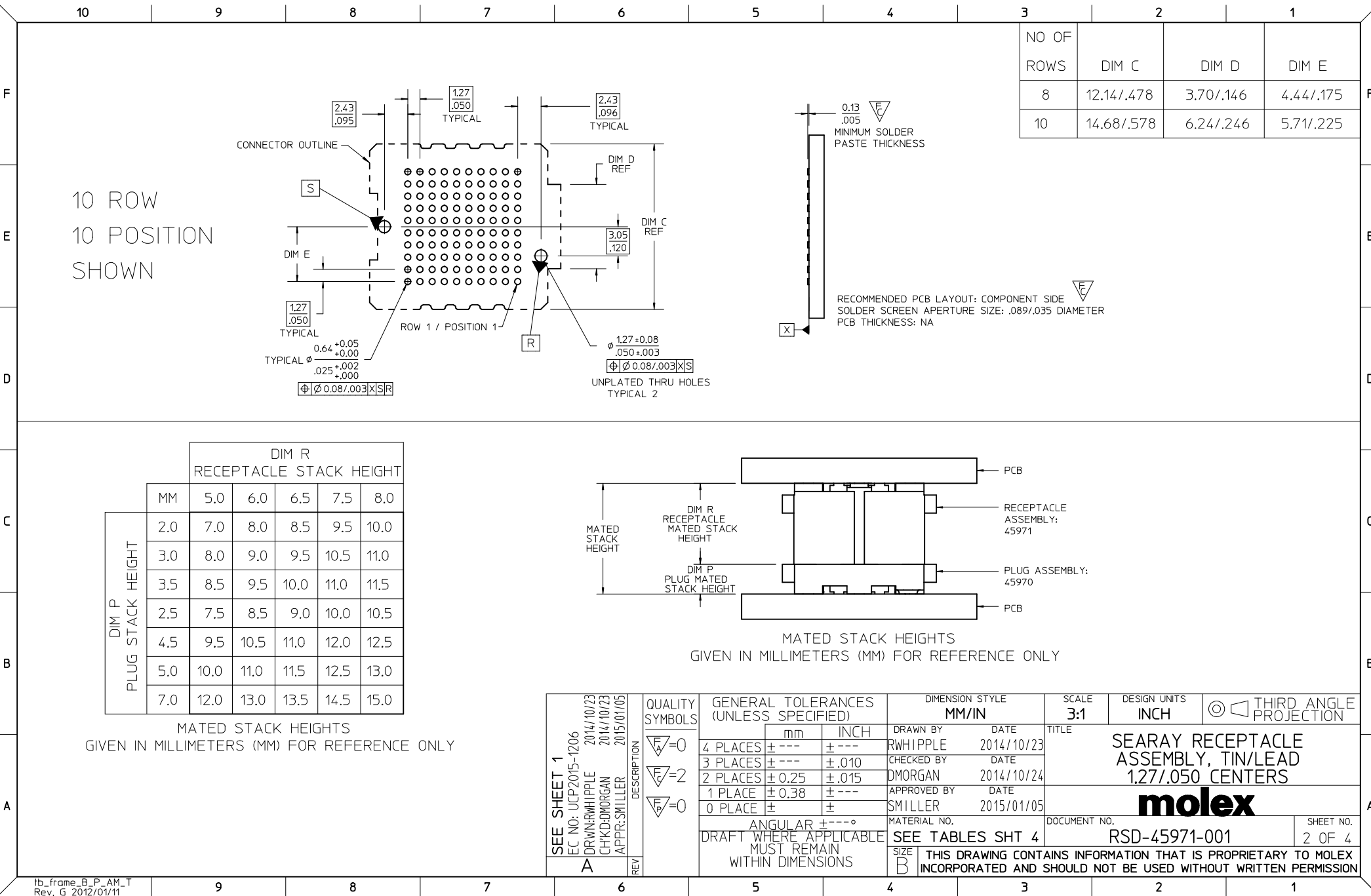
POSITION	
10	0.15/.006
20	0.15/.006
30	0.15/.006
40	0.15/.006
50	0.15/.006
15	0.15/.006
25	0.15/.006
35	0.23/.009
45	0.23/.009

SEE SHEET 3 FOR
6 ROW GEOMETRY

INITIAL RELEASE EC NO: UCP2015-1206 DRAWN: RWHIPPLE 2014/10/23 CHKD: DMORGAN 2014/10/23 APPR: SMILLER 2015/01/05 A	DESCRIPTION REV	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 RWHIPPLE 2014/10/23 CHECKED BY DATE DMORGAN 2014/10/24 APPROVED BY DATE SMILLER 2015/01/05 MATERIAL NO. SEE TABLES SHT 4 SIZE B	SCALE 3:1 DESIGN UNITS INCH THIRD ANGLE PROJECTION SEARAY RECEPTACLE ASSEMBLY, TIN/LEAD 1.27/.050 CENTERS molex DOCUMENT NO. RSD-45971-001 SHEET NO. 1 OF 4

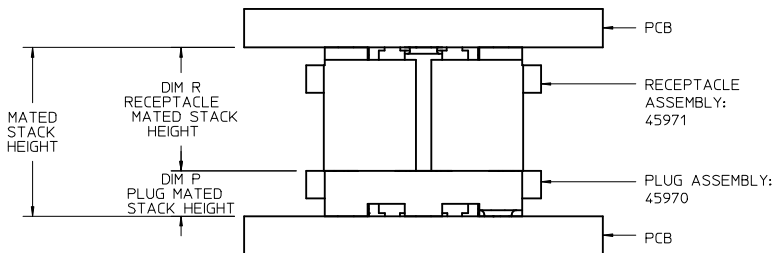
NOTES:

1. MATERIALS: HOUSING: LCP, GLASS FILLED, UL94V-0, BLACK
CONTACTS: COPPER ALLOY
SOLDER CHARGE: 63% TIN, 37% LEAD
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: TAPE AND REEL PACK PK-45971-002
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 R RECEPTACLE STACK HEIGHT					
		MM	5.0	6.0	6.5	7.5	8.0
DIM P PLUG STACK HEIGHT	2.0	7.0	8.0	8.5	9.5	10.0	
	3.0	8.0	9.0	9.5	10.5	11.0	
	3.5	8.5	9.5	10.0	11.0	11.5	
	2.5	7.5	8.5	9.0	10.0	10.5	
	4.5	9.5	10.5	11.0	12.0	12.5	
	5.0	10.0	11.0	11.5	12.5	13.0	
	7.0	12.0	13.0	13.5	14.5	15.0	

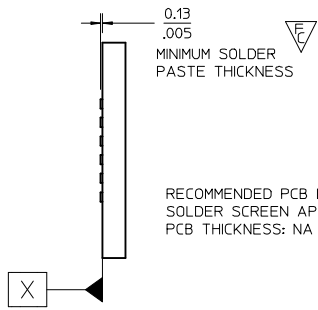
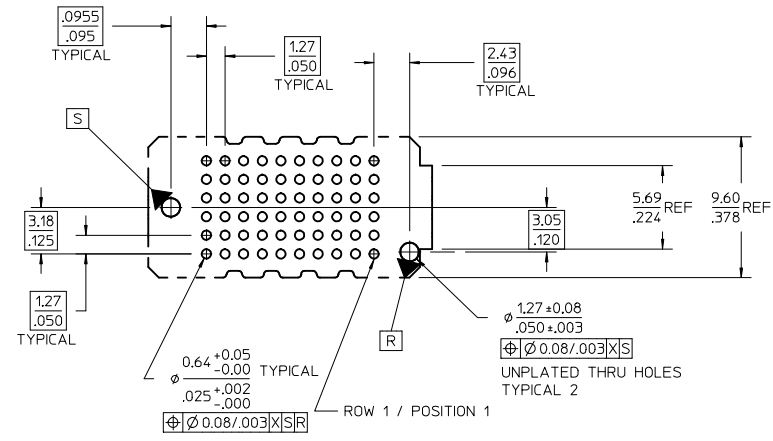


MATED STACK HEIGHTS
GIVEN IN MILLIMETERS (MM) FOR REFERENCE ONLY

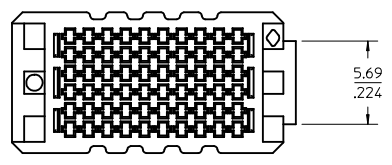
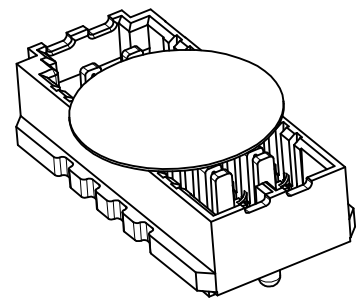
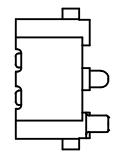
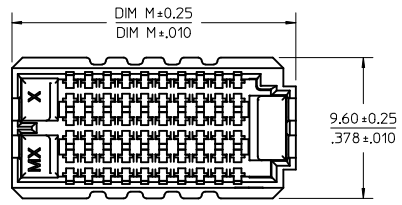
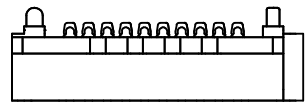
SEE SHEET 1 EC NO: UCP2015-1206 DRWN:RWHIPPLE 2014/10/23 CHKD:DMORGAN 2014/10/23 APPR:SMILLER 2015/01/05 A	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 3:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION					
		 =0  =2 		mm	INCH	DRAWN BY RWHIPPLE	DATE 2014/10/23	TITLE SEARAY RECEPTACLE ASSEMBLY, TIN/LEAD 1.27/.050 CENTERS						
			4 PLACES	± ---	± ---	CHECKED BY DMORGAN	DATE 2014/10/24							
			3 PLACES	± ---	± .010	APPROVED BY SMILLER	DATE 2015/01/05							
			2 PLACES	± 0.25	± .015	MATERIAL NO. DOCUMENT NO.							SHEET NO. 2 OF 4	
			1 PLACE	± 0.38	± ---									
			0 PLACE	±	±									
ANGULAR ± ---°		SEE TABLES SHT 4				RSD-45971-001								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		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

CONNECTOR OUTLINE

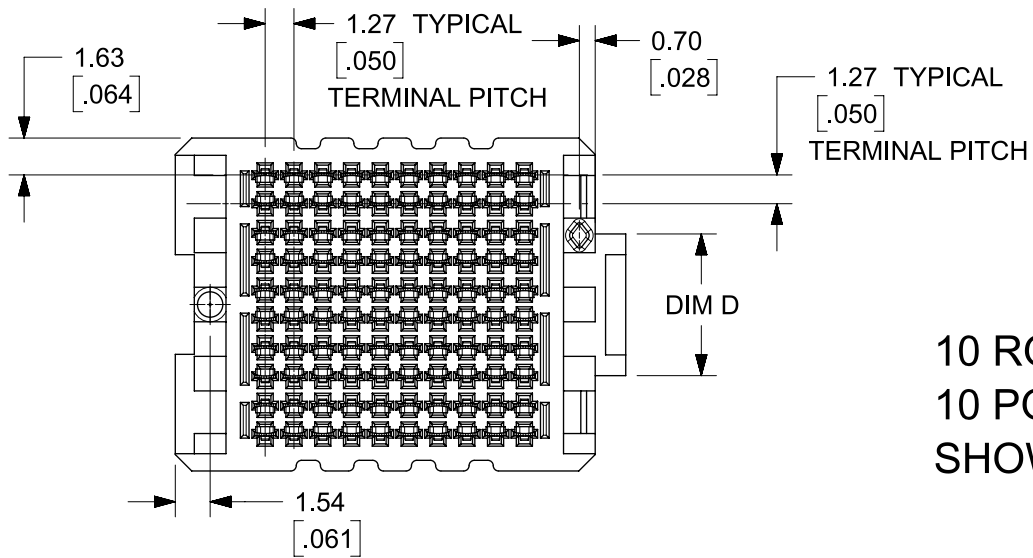


6 ROW GEOMETRY

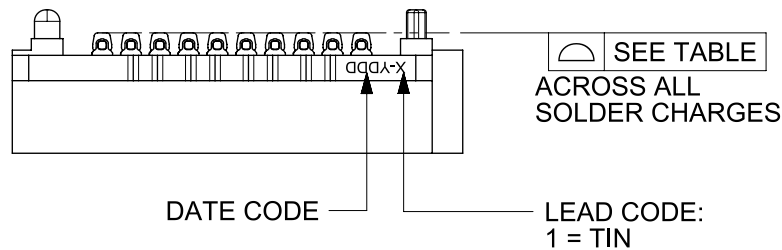


SEE SHEET 1 EC NO: UCP2015-1206 DRAWN: RWHIPPLE 2014/10/23 CHKD: DMORGAN 2014/10/23 APPR: SMILLER 2015/01/05 A	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=2 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 3:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION						
				mm	INCH	DRAWN BY	DATE	TITLE SEARAY RECEPTACLE ASSEMBLY, TIN/LEAD 1.27/.050 CENTERS molex							
			4 PLACES	± ---	± ---	RWHIPPLE	2014/10/23								
			3 PLACES	± ---	± .010	CHECKED BY	DATE								
			2 PLACES	± 0.25	± .015	DMORGAN	2014/10/24								
						1 PLACE	± 0.38	± ---	APPROVED BY	DATE	DOCUMENT NO. RSD-45971-001				
						0 PLACE	±	±	SMILLER	2015/01/05					
					ANGULAR ± ---°		MATERIAL NO.		SHEET NO. 3 OF 4						
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLES SHT 4								
				REV			SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

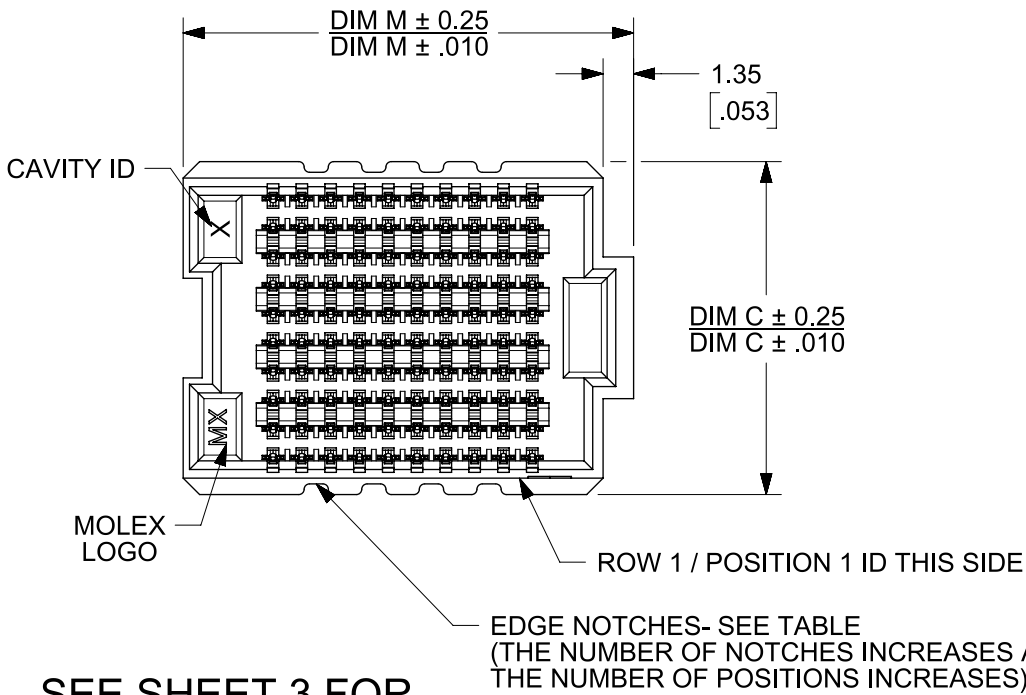
9 8 7 6 5 4 3 2 1



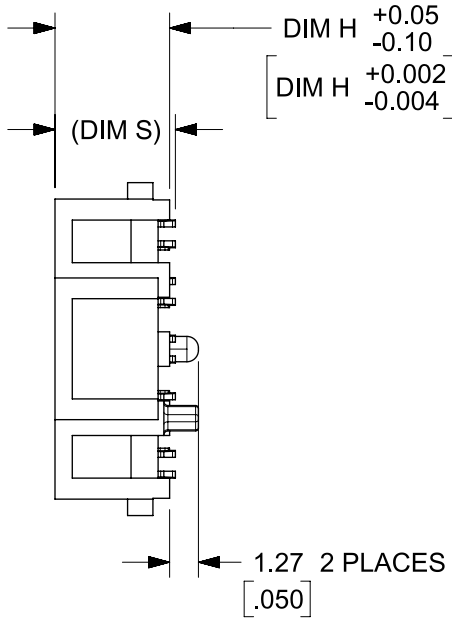
10 ROW
10 POSITION
SHOWN



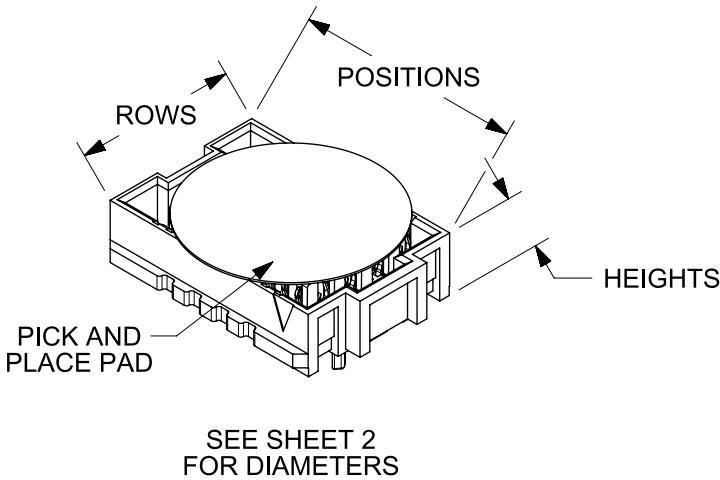
NOTE: THESE CODES MAY BE LOCATED ON EITHER SIDE OF THE HOUSING



SEE SHEET 3 FOR
8 ROW GEOMETRY &
SEE SHEET 4 FOR
6 ROW GEOMETRY



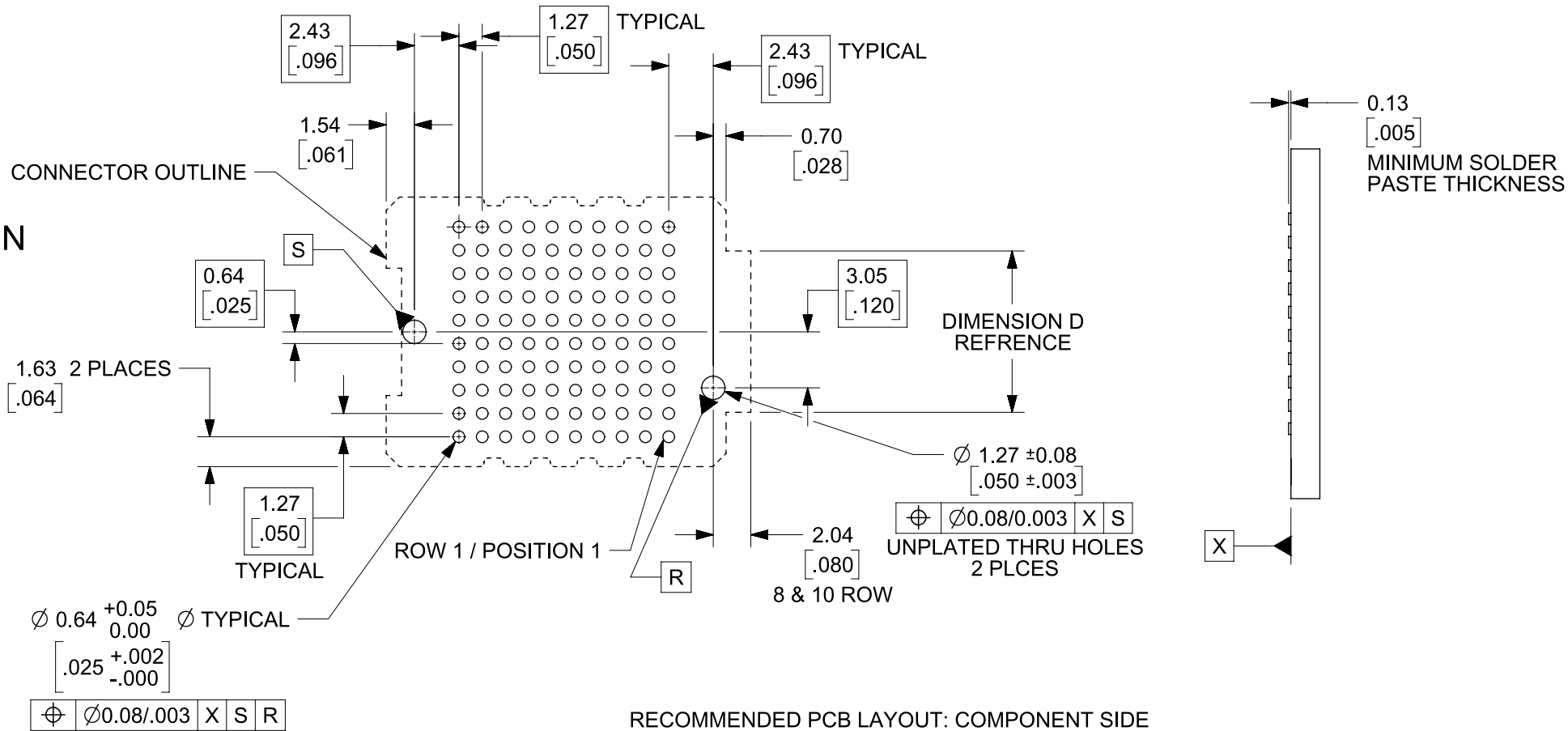
- NOTES:
1. MATERIALS: HOUSING: GLASS FILLED LCP (LIQUID CRYSTAL POLYMER), UL94V-0, BLACK
CONTACTS: COPPER ALLOY
SOLDER CHARGE: 95% TIN, 3.8% SILVER, 0.7% COPPER
 2. FINISH: SELECT GOLD IN CONTACT AREA: 30 MICROINCH MINIMUM
SELECT TIN IN TAIL, 50 MICROINCH MINIMUM
OVERALL NICKEL UNDERPLATE
 3. PRODUCT 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	

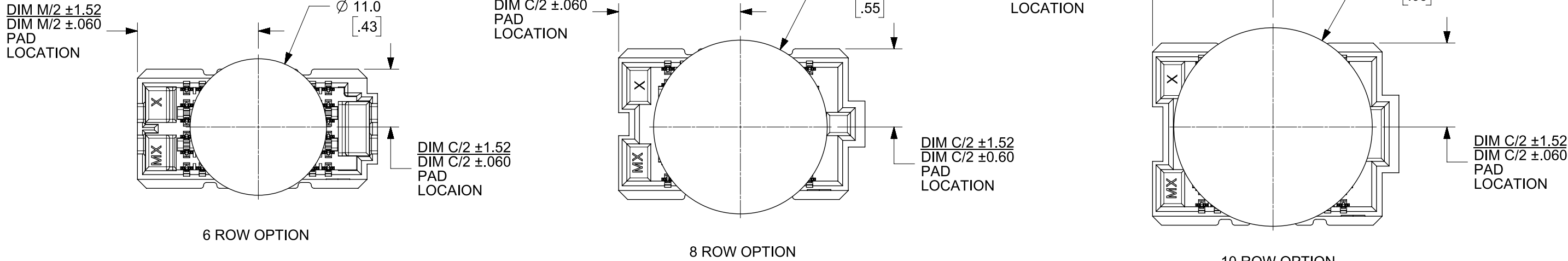
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS	SCALE	CURRENT REV DESC: UPDATE CHART							
MM/IN	3:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL	± °								
4 PLACES	±								
3 PLACES	±								
2 PLACES	± 0.25								
1 PLACE	± 0.38								
0 PLACES	±								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER		
			B-SIZE	45971	SEE TABLES SHT 5	GENERAL MARKET	1 OF 5		

10 ROW
10 POSITION
SHOWN



NUMBER OF ROWS	DIMENSION D
6	SEE SHEET 4
8	SEE SHEET 3
10	6.24/.246

RECOMMENDED PCB LAYOUT: COMPONENT SIDE
SOLDER SCREEN APERTURE SIZE: .890/.035 DIAMETER
PCB THICKNESS: NA



PICK AND PLACE
PAD DIAMETERS
10 POSITION VERSIONS SHOWN

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS	SCALE	CURRENT REV DESC: UPDATE CHART							
MM/IN	3:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL	$\pm$ °								
4 PLACES	$\pm$								
3 PLACES	$\pm$								
2 PLACES	$\pm$ 0.25								
1 PLACE	$\pm$ 0.38								
0 PLACES	$\pm$								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER	
			B-SIZE	45971	SEE TABLES SHT 5	GENERAL MARKET		2 OF 5	

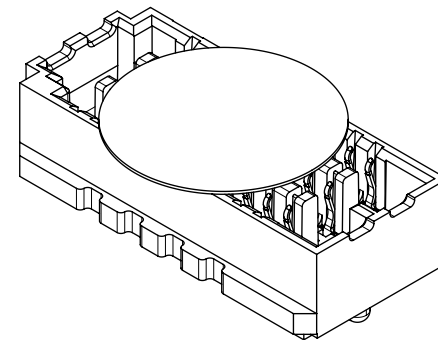
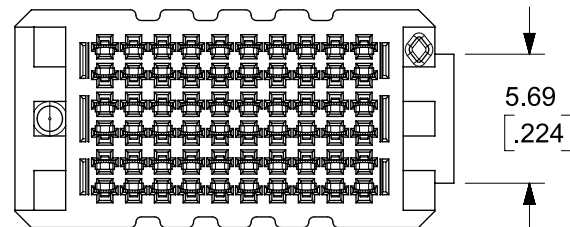
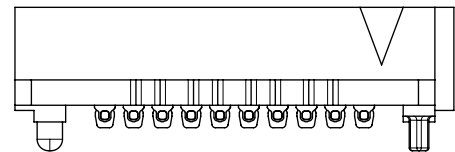
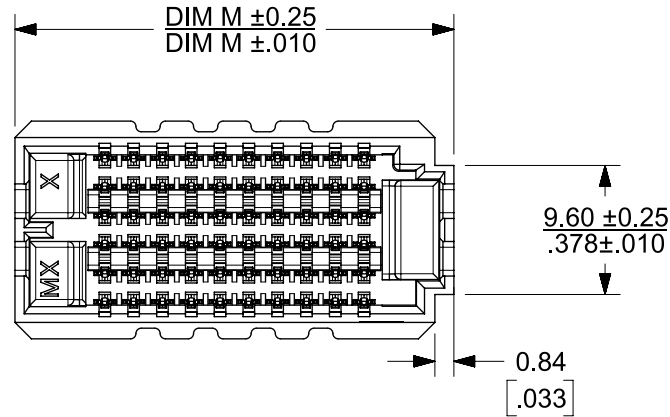
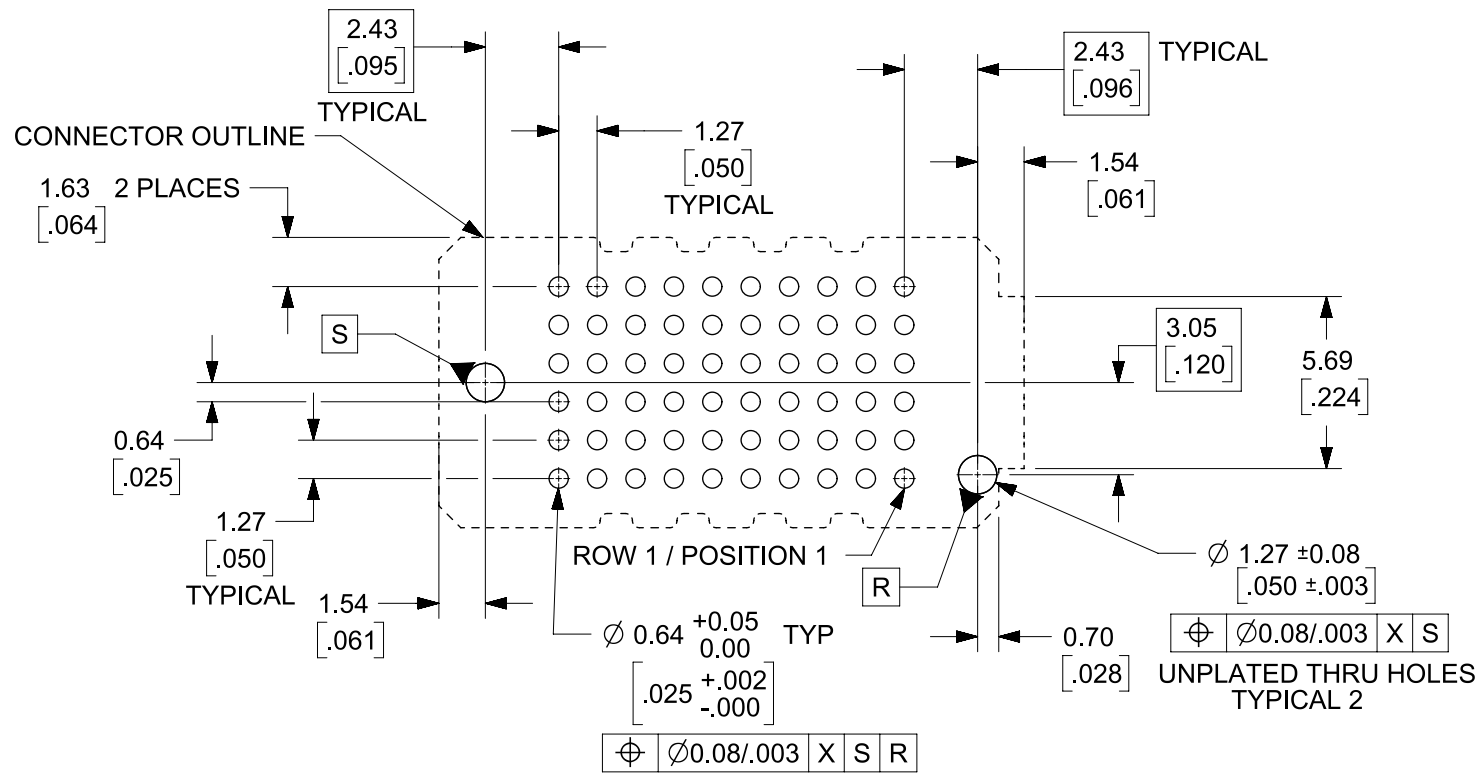
EC NO: 605384	
DRWN: JBINGHAM	2018/10/01
CHK'D: DMCGOWAN	2018/10/03
APPR: DMCGOWAN	2018/10/03
INITIAL REVISION:	
DRWN: TGREGORI	2005/05/17
APPR: JCOMERCI	2010/03/05

DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
SD-45971-001		PSD	001	Y2

PRODUCT CUSTOMER DRAWING	
SEARAY RECEPTACLE ASSEMBLY 1.27/.050 CENTERS	

DOCUMENT STATUS	P1	RELEASE DATE	2018/10/03	22:39:26
-----------------	----	--------------	------------	----------

6 ROW
10 POSITION

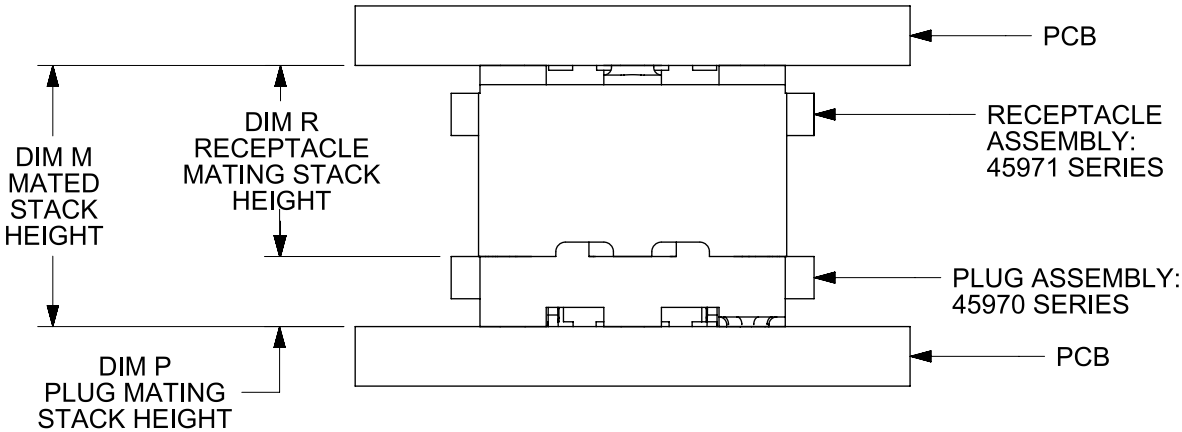


6 ROW
10 POSITION
SHOWN

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			
DIMENSION UNITS		SCALE		CURRENT REV DESC: UPDATE CHART				molex SEARAY RECEPTACLE ASSEMBLY 1.27/.050 CENTERS PRODUCT CUSTOMER DRAWING <table><tr><td>DOCUMENT NUMBER</td><td>DOC TYPE</td><td>DOC PART</td><td>REVISION</td></tr><tr><td>SD-45971-001</td><td>PSD</td><td>001</td><td>Y2</td></tr></table>				DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION	SD-45971-001	PSD	001	Y2
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION																
SD-45971-001	PSD	001	Y2																
MM/IN		3:1																	
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 605384 DRWN: JBINGHAM 2018/10/01 CHK'D: DMCGOWAN 2018/10/03 APPR: DMCGOWAN 2018/10/03 INITIAL REVISION: DRWN: TGREGORI 2005/05/17 APPR: JCOMERCI 2010/03/05															
ANGULAR TOL		± °																	
4 PLACES		±																	
3 PLACES		±																	
2 PLACES		± 0.25																	
1 PLACE		± 0.38																	
0 PLACES		±																	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER					
						B-SIZE		45971		SEE TABLES SHT 5		GENERAL MARKET		4 OF 5					

ROWS: 6 DIMENSION C = 9.60/.378 DIMENSION D = 5.69/.224						
DIM R: (REF)		5.0 mm	6.0 mm	6.5 mm	7.5 mm	8.0 mm
DIM H:		5.05/.199	6.04/.238	6.66/.258	7.54/.297	8.05/.317
DIM S:		5.31/.209	6.30/.248	6.92/.272	7.80/.307	8.31/.327
POSITION	DIM M	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO
10	19.35/0.762	45971-1165	45971-1265	45971-1365	45971-1465	45971-1565
20	32.05/1.262	45971-2165	45971-2265	45971-2365	45971-2465	45971-2565
30	44.75/1.762	45971-3165	45971-3265	45971-3365	45971-3465	45971-3565
40	57.45/2.262	45971-4165	45971-4265	45971-4365	45971-4465	45971-4565
50	70.15/2.762	45971-5165	45971-5265	45971-5365	45971-5465	45971-5565
15	25.70/1.012	45971-6165	45971-6265	45971-6365	45971-6465	45971-6565
25	38.40/1.512	45971-7165	45971-7265	45971-7365	45971-7465	45971-7565
35	51.10/2.012	45971-8165	45971-8265	45971-8365	45971-8465	45971-8565
45	63.80/2.512	45971-9165	45971-9265	45971-9365	45971-9465	45971-9565

ROWS: 10 DIMENSION C = 14.68/.578 DIMENSION D = 6.24/.246						
DIM R: (REF)		5.0 mm	6.0 mm	6.5 mm	7.5 mm	8.0 mm
DIM H:		5.05/.199	6.04/.238	6.66/.258	7.54/.297	8.05/.317
DIM S:		5.31/.209	6.30/.248	6.92/.272	7.80/.307	8.31/.327
POSITION	DIM M	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO
10	19.88/0.784	45971-1115	45971-1215	45971-1315	45971-1415	45971-1515
20	32.58/1.284	45971-2115	45971-2215	45971-2315	45971-2415	45971-2515
30	45.28/1.784	45971-3115	45971-3215	45971-3315	45971-3415	45971-3515
40	57.98/2.284	45971-4115	45971-4215	45971-4315	45971-4415	45971-4515
50	70.68/2.784	45971-5115	45971-5215	45971-5315	45971-5415	45971-5515
15	26.23/1.034	45971-6115	45971-6215	45971-6315	45971-6415	45971-6515
25	38.93/1.534	45971-7115	45971-7215	45971-7315	45971-7415	45971-7515
35	51.63/2.034	45971-8115	45971-8215	45971-8315	45971-8415	45971-8515
45	64.33/2.534	45971-9115	45971-9215	45971-9315	45971-9415	45971-9515



STACK HEIGHTS
GIVEN IN MILLIMETERS (mm) FOR REFERENCE ONLY

ROWS: 8 DIMENSION C = 12.14/.478 DIMENSION D = 3.70/.146						
DIM R: (REF)		5.0 mm	6.0 mm	6.5 mm	7.5 mm	8.0 mm
DIM H:		5.05/.199	6.04/.238	6.66/.258	7.54/.297	8.05/.317
DIM S:		5.31/.209	6.30/.248	6.92/.272	7.80/.307	8.31/.327
POSITION	DIM M	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO
10	19.88/0.784	45971-1185	45971-1285	45971-1385	45971-1485	45971-1585
20	32.58/1.284	45971-2185	45971-2285	45971-2385	45971-2485	45971-2585
30	45.28/1.784	45971-3185	45971-3285	45971-3385	45971-3485	45971-3585
40	57.98/2.284	45971-4185	45971-4285	45971-4385	45971-4485	45971-4585
50	70.68/2.784	45971-5185	45971-5285	45971-5385	45971-5485	45971-5585
15	26.23/1.034	45971-6185	45971-6285	45971-6385	45971-6485	45971-6585
25	38.93/1.534	45971-7185	45971-7285	45971-7385	45971-7485	45971-7585
35	51.63/2.034	45971-8185	45971-8285	45971-8385	45971-8485	45971-8585
45	64.33/2.534	45971-9185	45971-9285	45971-9385	45971-9485	45971-9585

MATING STACK HEIGHTS (DIMENSION R)
GIVEN IN MILLIMETERS (mm) FOR REFERENCE ONLY

		DIM R RECEPTACLE STACK HEIGHT									
		5.0		6.0		6.5		7.5		8.0	
		DIM M FULLY MATED	DIM M MAX	DIM M FULLY MATED	DIM M MAX	DIM M FULLY MATED	DIM M MAX	DIM M FULLY MATED	DIM M MAX	DIM M FULLY MATED	DIM M MAX
DIM P PLUG STACK HEIGHT	2.0	7.00	7.74	8.00	8.74	8.50	9.24	9.50	10.24	10.00	10.74
	3.0	8.00	8.74	9.00	9.74	9.50	10.24	10.50	11.24	11.00	11.74
	3.5	8.50	9.24	9.50	10.24	10.00	10.74	11.00	11.74	11.50	12.24
	2.5	7.50	8.24	8.50	9.24	9.00	9.74	10.00	10.74	10.50	11.24
	4.5	9.50	10.24	10.50	11.24	11.00	11.74	12.00	12.74	12.50	13.24
	5.0	10.00	10.74	11.00	11.74	11.50	12.24	12.50	13.24	13.00	13.74
	7.0	12.00	12.74	13.00	13.74	13.50	14.24	14.50	15.24	15.00	15.74

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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS		SCALE		CURRENT REV DESC: UPDATE CHART						molex					
MM/IN		3:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 605384 DRWN: JBBINGHAM 2018/10/01 CHK'D: DMCGOWAN 2018/10/03 APPR: DMCGOWAN 2018/10/03						SEARAY RECEPTACLE ASSEMBLY 1.27/.050 CENTERS					
ANGULAR TOL ± °															
4 PLACES		±								PRODUCT CUSTOMER DRAWING					
3 PLACES		±													
2 PLACES		± 0.25													
1 PLACE		± 0.38													
0 PLACES ±				INITIAL REVISION:						DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
				DRWN: TGREGORI 2005/05/17						SD-45971-001		PSD	001	Y2	
				APPR: JCOMERCI 2010/03/05											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						B-SIZE		45971		SEE TABLES SHT 5		GENERAL MARKET		5 OF 5	

DOCUMENT STATUS	P1	RELEASE DATE	2018/10/03 22:39:26
-----------------	----	--------------	---------------------