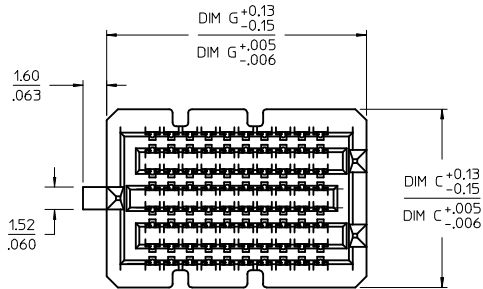
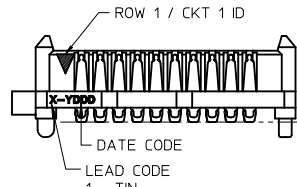


NOTES:

1. MATERIAL: HOUSING: GLASS FILLED LCP (LIQUID CRYSTAL POLYMER), UL94V-0, BLACK
CONTACTS: COPPER ALLOY
SOLDER CHARGE: 95.5% TIN, 3.8% SILVER, 0.7% COPPER
2. FINISH: ALL DIM P HEIGHT OPTIONS - SELECT GOLD IN CONTACT AREA; 30 MICROINCH MINIMUM
DIM P HEIGHT OPTIONS 2.0 & 2.5: SELECT GOLD FLASH ON TAIL, 7 MICROINCH MINIMUM
DIM P HEIGHT OPTIONS 3.0 THRU 7.0: SELECT TIN ON TAIL, 50 MICROINCH MINIMUM
ALL OPTIONS - NICKEL UNDERPLATE OVERALL ON TAIL
3. PRODUCT SPECIFICATION: PS-45970-001
4. PACKAGING SPECIFICATION: PK-45971-002 (TAPE AND REEL)
5. MATES WITH SEARAY RECEPTACLE ASSEMBLY SERIES 45971
6. APPLICATION SPECIFICATION: AS-45970-001
7. COSMETIC SPECIFICATION: PS-45499-002 CLASS B
8. PART STATUS: CONTACT MOLEX

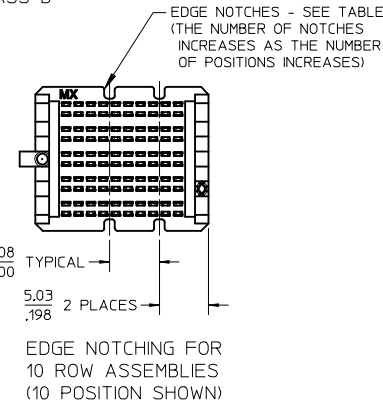
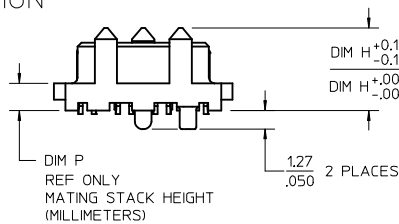


8 ROW
10 POSITION
SHOWN

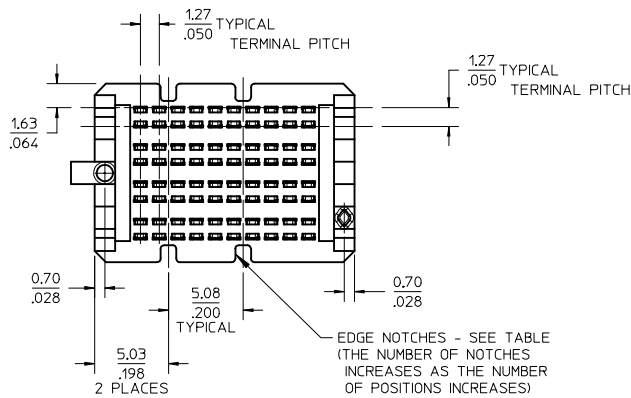


NOTE: THESE CODES MAY BE LOCATED
ON EITHER SIDE OF THE HOUSING

SEE TABLE
ACROSS ALL
SOLDER
CHARGES

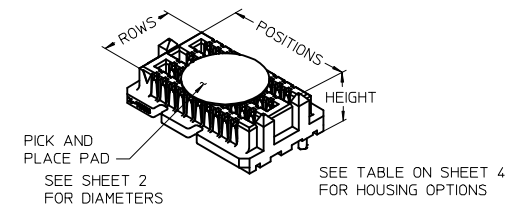
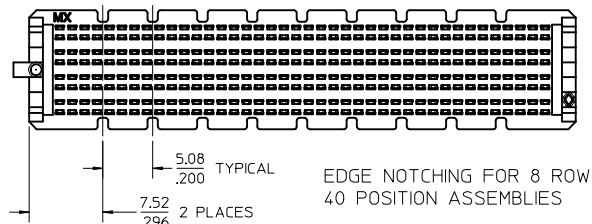


TOTAL NUMBER OF EDGE NOTCHES			
POSITIONS	8 ROW	6 AND 10 ROW	
10	4	4	0.15/.006
15	6	6	
20	10	10	
25	12	12	
30	14	14	
35	16	16	0.23/.009
40	18	20	
45	22	22	
50	24	24	

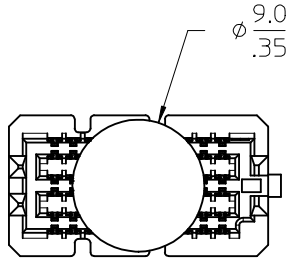


SEE OTHER EDGE NOTCHING VIEWS

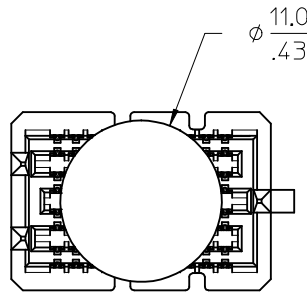
SEE SHEET 3
FOR 6 ROW OPTION



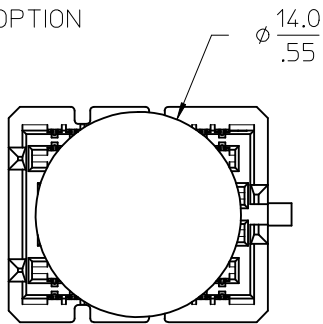
CLARIFY OVERALL LENGTH		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: UCP2015-5493		DRAWN: SVANG01		mm		MM/IN		3:1		INCH		THIRD ANGLE PROJECTION	
2015/06/25		2015/08/04		4 PLACES ± --- ± ---		DRAWN BY		DATE		DATE		DATE	
CHKD: TIBARRA		APPR: SMILLER		3 PLACES ± --- ± .010		TREGOR I		2005/01/27		2014/08/07		2010/03/05	
2 PLACES ± 0.25 ± .015		1 PLACE ± 0.38 ± ---		0 PLACE ± ±		CHECKED BY		DATE		DATE		DATE	
ANGULAR ± --- °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		JCOMERC I		2010/03/05		DOCUMENT NO.		SHEET NO.	
SIZE B		REV		SEE TABLE SHT 4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SD-45970-001		1 OF 4			



6 ROW OPTION



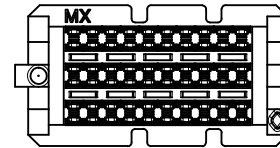
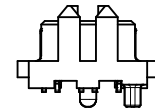
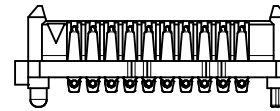
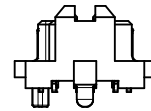
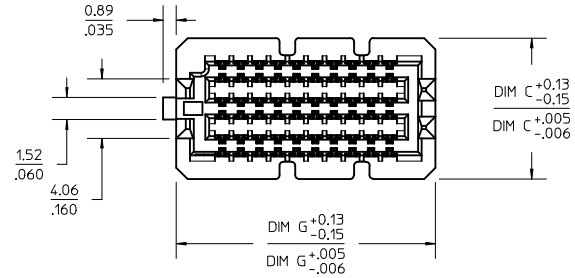
8 ROW OPTION



10 ROW OPTION

PICK AND PLACE
PAD DIAMETERS

10 POSITION VERSIONS SHOWN

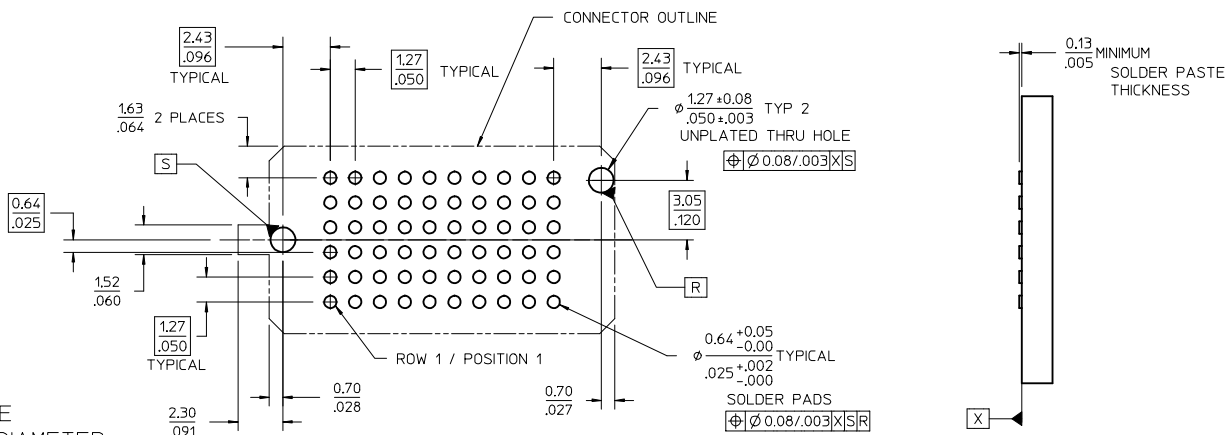


6 ROW OPTION

10 POSITION VERSION
SHOWN FOR REFERENCE

DIMENSIONS SHOWN ON
OTHER SHEETS APPLY TO
THE 6 ROW OPTION ALSO
(EXCEPT AS OTHERWISE
NOTED ON THIS SHEET)

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 $\nabla_A=0$ $\nabla_C=0$ $\nabla_P=0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 3:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY TGREGORI	DATE 2005/01/27	TITLE SEARAY PLUG ASSEMBLY 1.27/.050 CENTERS				
			4 PLACES	$\pm$ ---	$\pm$ ---	CHECKED BY BBARKER					
			3 PLACES	$\pm$ ---	$\pm$.010	APPROVED BY JCOMERC I		DATE 2010/03/05	molex		
			2 PLACES	$\pm$ 0.25	$\pm$.015						
1 PLACE	$\pm$ 0.38	$\pm$ ---	MATERIAL NO.		DOCUMENT NO.		SHEET NO.				
0 PLACE		$\pm$	$\pm$	SEE TABLE SHT 4		SD-45970-001		2 OF 4			
ANGULAR $\pm$ ---		$^\circ$									
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							



		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	
	9.0	14.0	15.0	15.5	16.5	17.0	

The diagram illustrates the mating stack heights for the 45971 Series Receptacle Assembly and the 45970 Series Plug Assembly. It shows two PCBs (Printed Circuit Boards) with the receptacle assembly on top and the plug assembly on the bottom. The total height of the receptacle assembly is labeled as DIM R RECEPTACLE MATING STACK HEIGHT. The total height of the plug assembly is labeled as DIM P PLUG MATING STACK HEIGHT. The combined height of both assemblies is labeled as MATED STACK HEIGHT.

SEE SHEET 1 EC NO: UCP2015-5493 DOWN:SYANG01 CHY-K: IBARRA APPR: SMILLER 2015/06/25 2015/08/04 2015/08/07	DESCRIPTION REV	QUALITY SYMBOLS F=0 F=0 F=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY TGREGORI		DATE 2005/01/27	TITLE SEARAY PLUG ASSEMBLY 1.277.050 CENTERS molex			
			4 PLACES	± ---	± ---	CHECKED BY BBARKER		DATE 2014/08/07				
			3 PLACES	± ---	± .010	APPROVED BY JCOMERC I		DATE 2010/03/05	DOCUMENT NO. SD-45970-001			
			2 PLACES	± 0.25	± .015	MATERIAL NO.		SHEET NO. 3 OF 4				
			1 PLACE	± 0.38	± ---							
			0 PLACE	±	±	SEE TABLE SHT 4						
ANGULAR ± ---° 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								
F	ROWS: 6 DIMENSION C = 9.60/.378																	
	DIM P:		2.0 MM	3.0 MM	3.5 MM	2.5 MM	4.5 MM	5.0 MM	7.0 MM									
	DIM H:		5.61/.221	6.60/.260	7.11/.280	6.12/.241	8.10/.319	8.61/.339	10.61/.418									
	POSITION	DIM G	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO									
	10	17.69/0.698	45970-1165	45970-1265	45970-1365	45970-1465	45970-1565	45970-1665	45970-1765									
	20	30.39/1.198	45970-2165	45970-2265	45970-2365	45970-2465	45970-2565	45970-2665	45970-2765									
	30	43.09/1.698	45970-3165	45970-3265	45970-3365	45970-3465	45970-3565	45970-3665	45970-3765									
	40	55.79/2.198	45970-4165	45970-4265	45970-4365	45970-4465	45970-4565	45970-4665	45970-4765									
	50	68.49/2.698	45970-5165	45970-5265	45970-5365	45970-5465	45970-5565	45970-5665	45970-5765									
	15	24.04/0.948	45970-6165	45970-6265	45970-6365	45970-6465	45970-6565	45970-6665	45970-6765									
E	ROWS: 8 DIMENSION C = 12.14/.478																	
	DIM P:		2.0 MM	3.0 MM	3.5 MM	2.5 MM	4.5 MM	5.0 MM	7.0 MM									
	DIM H:		5.61/.221	6.60/.260	7.11/.280	6.12/.241	8.10/.319	8.61/.339	10.61/.418									
	POSITION	DIM G	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO									
	10	17.69/0.698	45970-1185	45970-1285	45970-1385	45970-1485	45970-1585	45970-1685	45970-1785									
	20	30.39/1.198	45970-2185	45970-2285	45970-2385	45970-2485	45970-2585	45970-2685	45970-2785									
	30	43.09/1.698	45970-3185	45970-3285	45970-3385	45970-3485	45970-3585	45970-3685	45970-3785									
	40	55.79/2.198	45970-4185	45970-4285	45970-4385	45970-4485	45970-4585	45970-4685	45970-4785									
	50	68.49/2.698	45970-5185	45970-5285	45970-5385	45970-5485	45970-5585	45970-5685	45970-5785									
	15	24.04/0.948	45970-6185	45970-6285	45970-6385	45970-6485	45970-6585	45970-6685	45970-6785									
D	ROWS: 10 DIMENSION C = 14.68/.578																	
	DIM P:		2.0 MM	3.0 MM	3.5 MM	2.5 MM	4.5 MM	5.0 MM	7.0 MM	9.0 MM								
	DIM H:		5.61/.221	6.60/.260	7.11/.280	6.12/.241	8.10/.319	8.61/.339	10.61/.418	12.62/.497								
	POSITION	DIM G	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO								
	10	17.69/0.698	45970-1115	45970-1215	45970-1315	45970-1415	45970-1515	45970-1615	45970-1715	45970-1915								
	20	30.39/1.198	45970-2115	45970-2215	45970-2315	45970-2415	45970-2515	45970-2615	45970-2715	45970-2915								
	30	43.09/1.698	45970-3115	45970-3215	45970-3315	45970-3415	45970-3515	45970-3615	45970-3715	45970-3915								
	40	55.79/2.198	45970-4115	45970-4215	45970-4315	45970-4415	45970-4515	45970-4615	45970-4715	45970-4915								
	50	68.49/2.698	45970-5115	45970-5215	45970-5315	45970-5415	45970-5515	45970-5615	45970-5715	45970-5915								
	15	24.04/0.948	45970-6115	45970-6215	45970-6315	45970-6415	45970-6515	45970-6615	45970-6715	45970-6915								
C																		
B																		
A	MATING STACK HEIGHTS (DIMENSION P) GIVEN IN MILLIMETERS (MM) FOR REFERENCE ONLY																	
	SEE SHEET 1 EC NO: UCP2015-5493 DRAWN: SVANG01 2015/06/25 CHKD: TIBARRA 2015/08/04 APPR: SWILLER 2015/08/07				QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 4:1		DESIGN UNITS INCH		THIRD ANGLE PROJECTION			
					F=0		mm INCH		DRAWN BY DATE		TITLE		SEARAY PLUG ASSEMBLY 1.27/.050 CENTERS molex		SD-45970-001		SHEET NO. 4 OF 4	
					F=0		4 PLACES ± --- ± ---		TGREGORI 2005/01/27									
					F=0		3 PLACES ± --- ± .010		CHECKED BY DATE									
					2 PLACES ± 0.25 ± .015		BBARKER 2014/08/07											
					1 PLACE ± 0.38 ± ---		APPROVED BY DATE											
					0 PLACE ± ±		JCOMERCI 2010/03/05											
					ANGULAR ± ---°		MATERIAL NO.		DOCUMENT NO.									
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLES											
						SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
1b_frame_B_P_AM.T Rev. G 2012/03/11										9	8	7	6	5	4	3	2	1