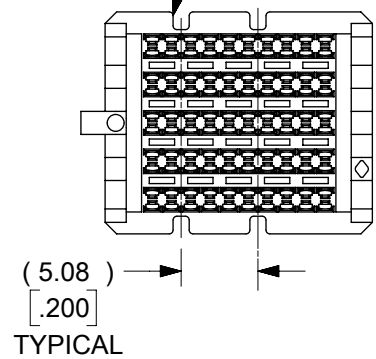
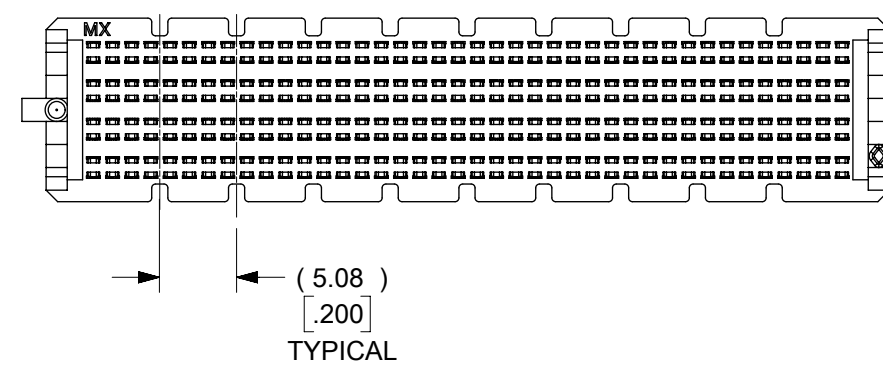
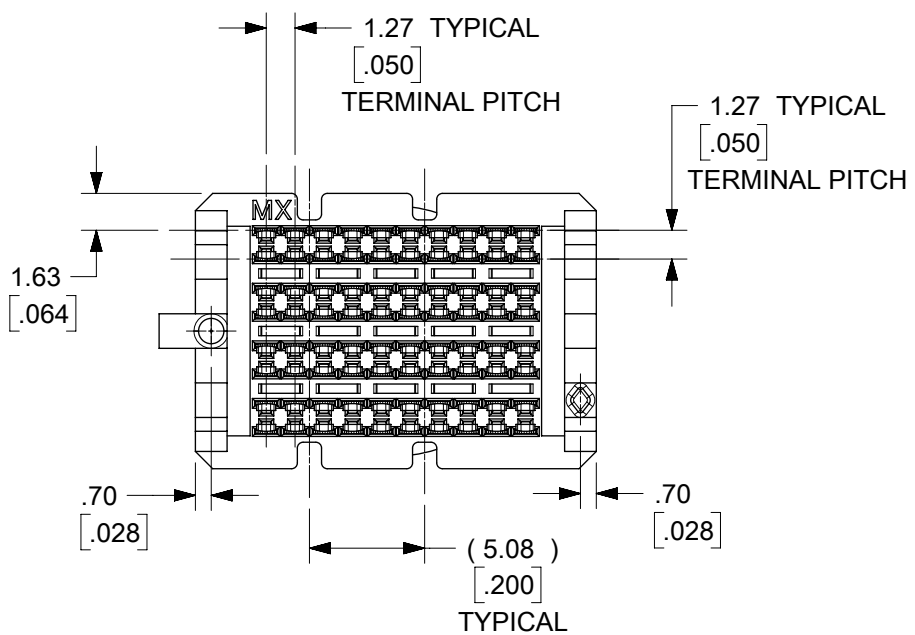


EDGE NOTCHES - SEE TABLE  
(THE NUMBER OF NOTCHES INCREASES AS THE NUMBER OF POSITIONS INCREASES)



EDGE NOTCHING FOR 10 ROW ASSEMBLIES  
(10 POSITION SHOWN)



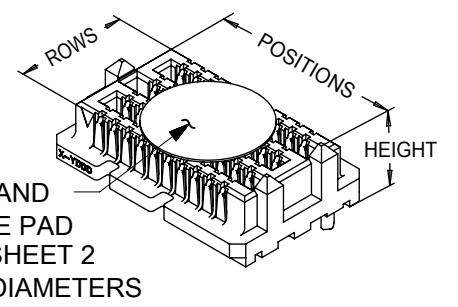
EDGE NOTCHING FOR 8 ROW  
40 POSITION ASSEMBLIES

SEE OTHER EDGE NOTCHING VIEWS  
SEE SHEET 2  
FOR 6 ROW OPTION

- NOTES:
- 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
  - 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 9.0: SELECT TIN ON TAIL, 50 MICROINCH MINIMUM  
ALL OPTIONS - NICKEL UNDERPLATE OVERALL ON TAIL
  - PRODUCT SPECIFICATION: PS-45970-001
  - PACKAGING SPECIFICATION: PK-45970-002 (TAPE AND REEL)
  - MATES WITH SEARAY RECEPTACLE ASSEMBLY SERIES 45971
  - APPLICATION SPECIFICATION: AS-45970-001
  - COSMETIC SPECIFICATION: PS-45499-002 CLASS B
  - PART STATUS: CONTACT MOLEX

POSITIONS	TOTAL NUMBER OF EDGE NOTCHES			Symbol
	8 ROW	6 ROW	10 ROW	
10	4	4	4	0.15/.006
15	6	6	6	
20	10	10	10	
25	12	12	12	
30	14	14	14	
35	16	16	16	
40	18	20	20	0.23/.009
*40	-	-	*24	
45	22	22	22	
50	24	24	24	
**50	-	-	**28	

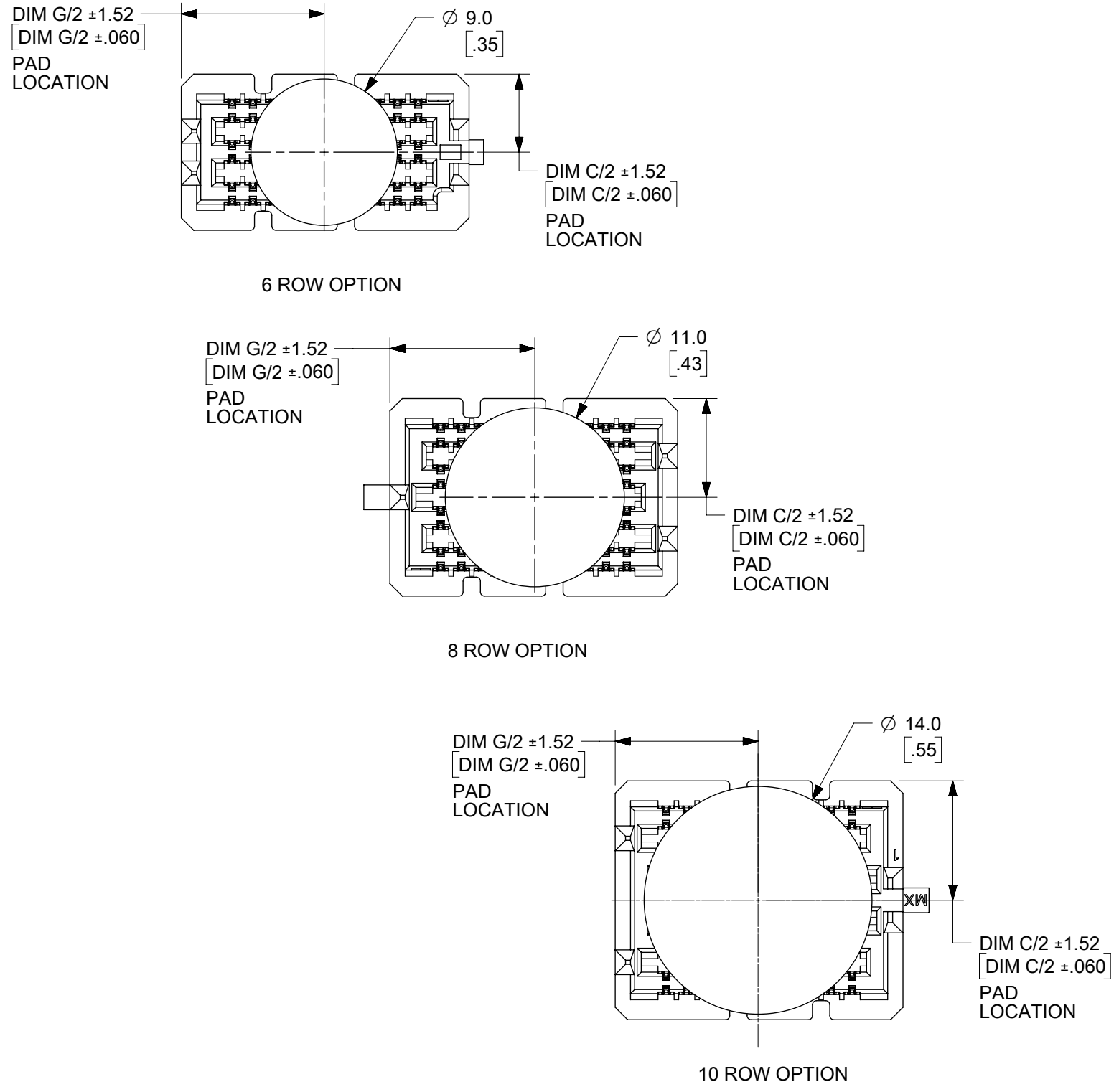
\*FOR 45970-4916  
\*\*FOR 45970-5916



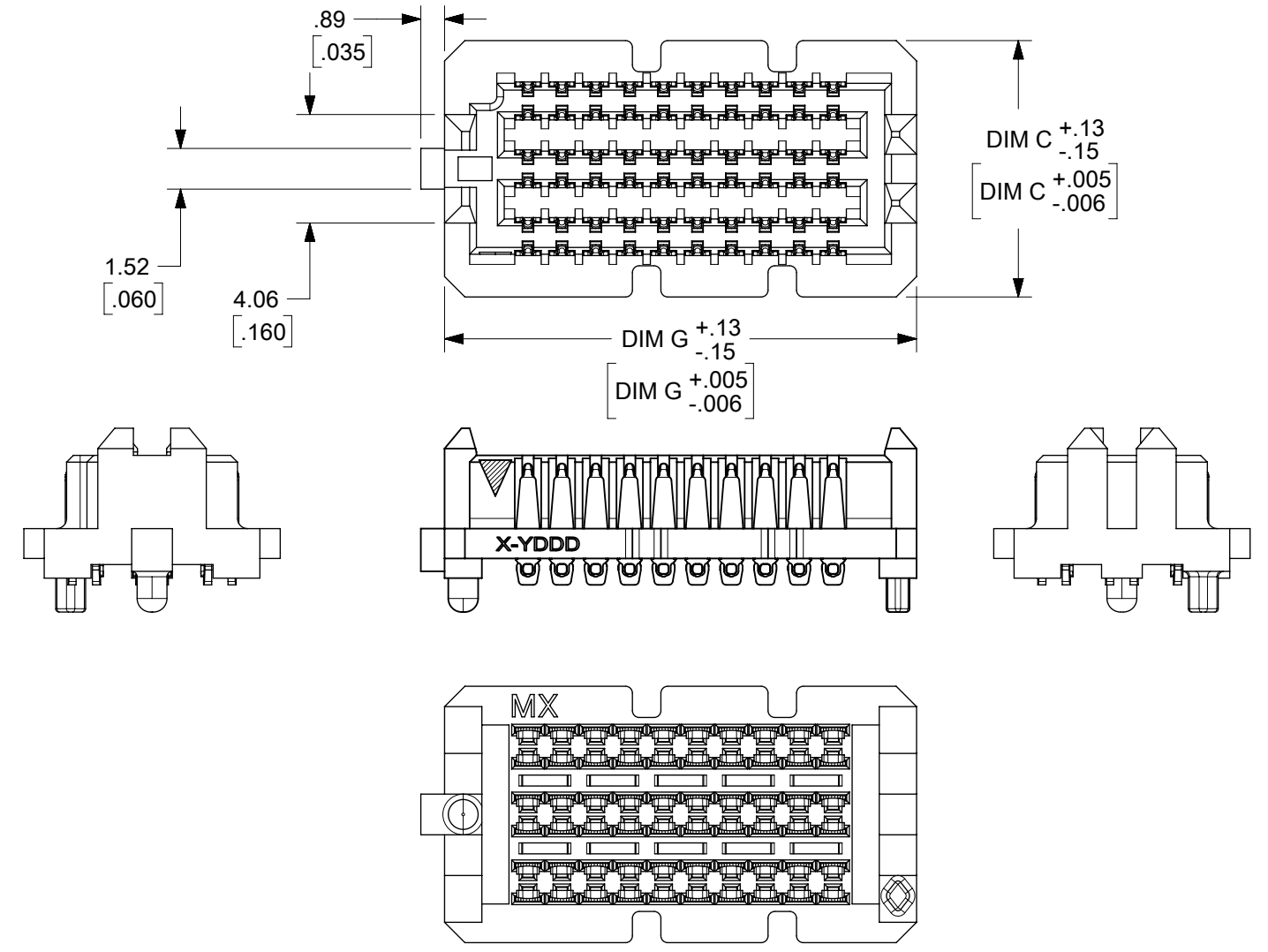
SEE TABLE ON SHEET 6  
FOR HOUSING OPTIONS

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:				
mm	NTS					
GENERAL TOLERANCES (UNLESS SPECIFIED)				<b>SEARAY</b> PLUG ASSEMBLY 1.27/.050 CENTERS PRODUCT CUSTOMER DRAWING		
ANGULAR TOL	±	°				
4 PLACES	±					
3 PLACES	±					
2 PLACES	±	0.25				
1 PLACE	±	0.38				
0 PLACES	±			DOCUMENT NUMBER: <b>SD-45970-001</b> DOC TYPE: PSD DOC PART: 001 REVISION: V		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
		B-SIZE	45970	SEE TABLE	GENERAL MARKET	1 OF 6



**PICK AND PLACE  
PAD DIAMETERS**  
10 POSITION VERSIONS SHOWN

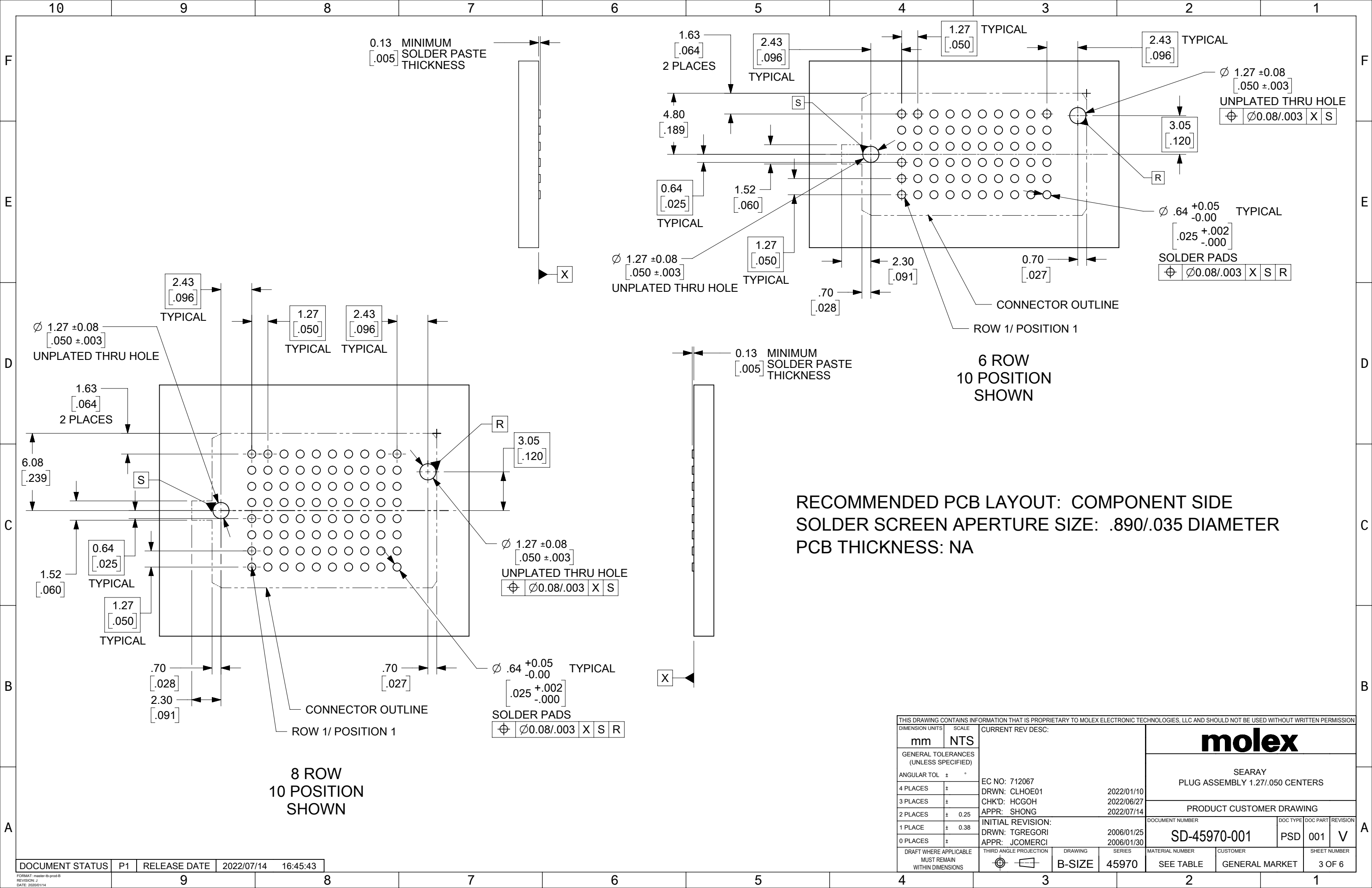


**6 ROW OPTION**

**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)

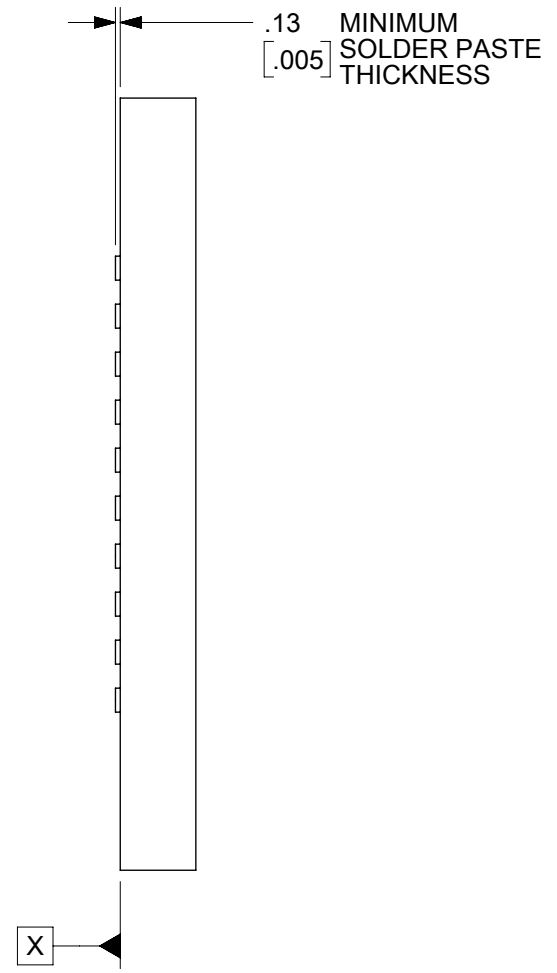
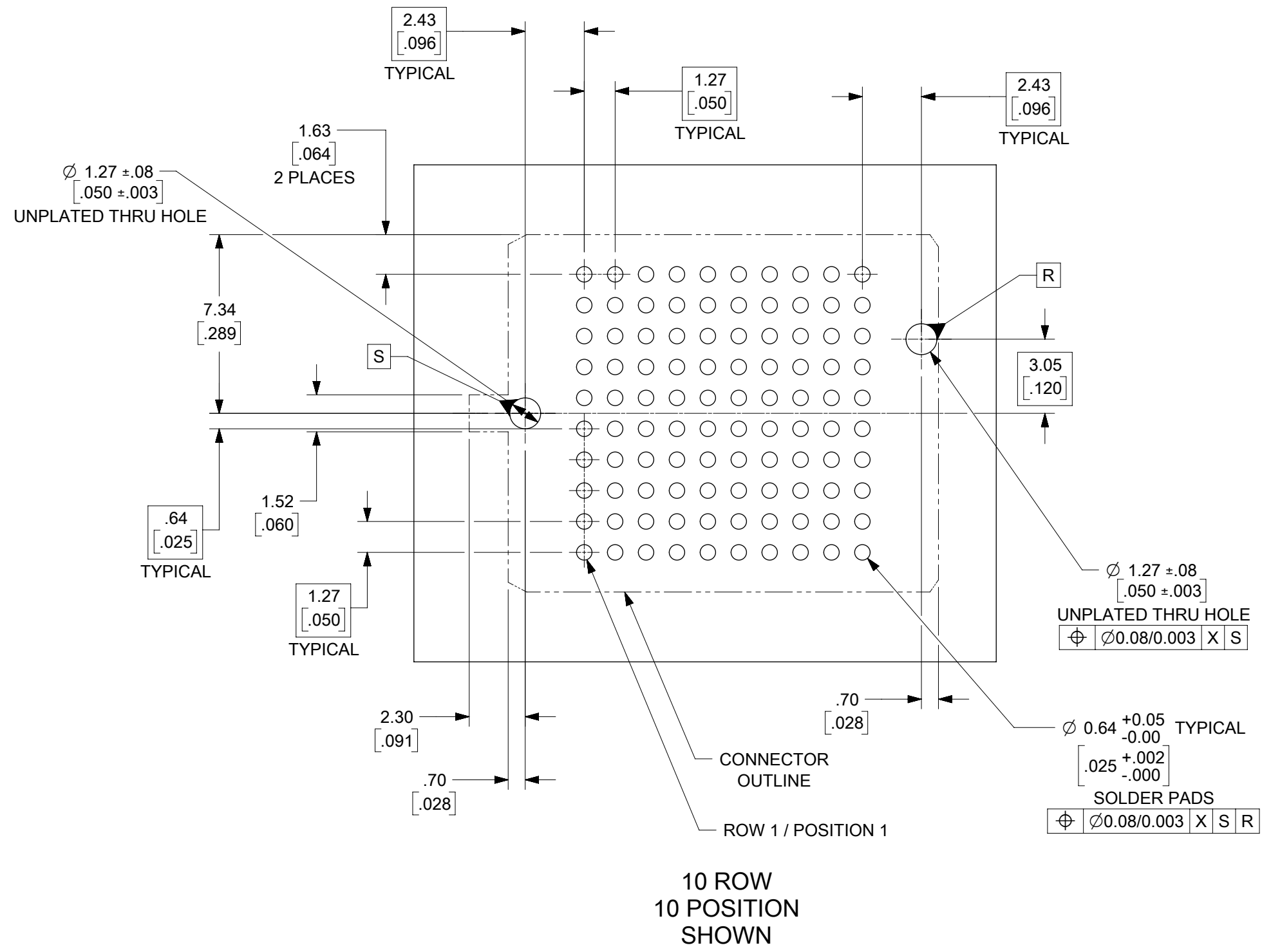
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS	SCALE	CURRENT REV DESC:							
mm	NTS								
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL	±								
4 PLACES	±	EC NO: 712067							
3 PLACES	±	DRWN: CLHOE01				2022/01/10			
2 PLACES	± 0.25	CHK'D: HCGOH				2022/06/27			
1 PLACE	± 0.38	APPR: SHONG				2022/07/14			
0 PLACES	±	INITIAL REVISION:							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER			
				B-SIZE	45970	SEE TABLE			
						CUSTOMER		SHEET NUMBER	
						GENERAL MARKET		2 OF 6	



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:						<b>molex</b>	
mm		NTS									
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 712067						SEARAY	
ANGULAR TOL ± °				DRWN: CLHOE01						PLUG ASSEMBLY 1.27/.050 CENTERS	
4 PLACES ±				CHK'D: HCGOH						PRODUCT CUSTOMER DRAWING	
3 PLACES ±				APPR: SHONG						DOCUMENT NUMBER	
2 PLACES ± 0.25				INITIAL REVISION:						SD-45970-001	
1 PLACE ± 0.38				DRWN: TGREGORI						DOC TYPE	
0 PLACES ±				APPR: JCOMERCI						DOC PART	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		REVISION	
				B-SIZE		45970		MATERIAL NUMBER		SEE TABLE	
				GENERAL MARKET		CUSTOMER		SHEET NUMBER		3 OF 6	

10 9 8 7 6 5 4 3 2 1

F  
E  
D  
C  
B  
A

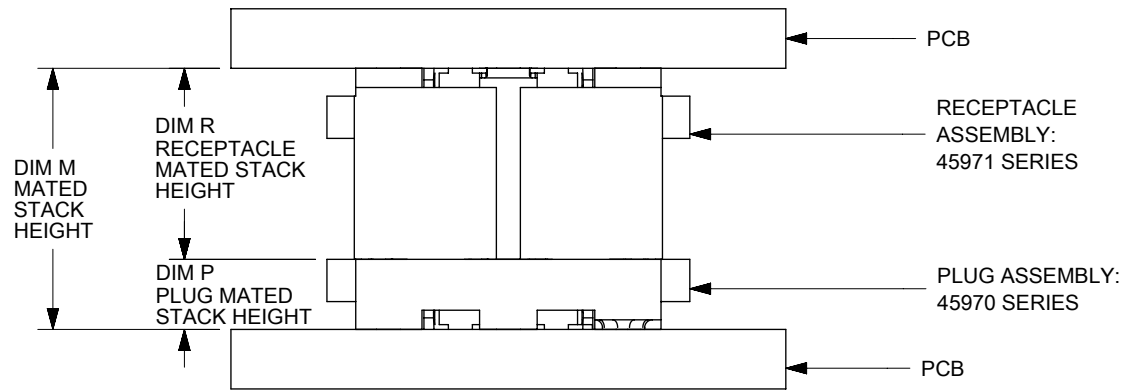


10 ROW  
10 POSITION  
SHOWN

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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS <b>mm</b>		SCALE <b>NTS</b>		CURRENT REV DESC:				<b>molex</b>	
GENERAL TOLERANCES (UNLESS SPECIFIED)		ANGULAR TOL ± °		EC NO: 712067 DRWN: CLHOE01 CHK'D: HCGOH APPR: SHONG					
4 PLACES ±		3 PLACES ±		2 PLACES ± 0.25		1 PLACE ± 0.38		INITIAL REVISION:	
0 PLACES ±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING <b>B-SIZE</b>		SERIES <b>45970</b>	
DOCUMENT NUMBER		CUSTOMER		SHEET NUMBER		SEARAY PLUG ASSEMBLY 1.27/.050 CENTERS			
SD-45970-001		GENERAL MARKET		4 OF 6		PRODUCT CUSTOMER DRAWING			
PSD		001		V		DOCUMENT NUMBER			
RELEASE DATE		2022/07/14		16:45:43		2022/01/10 2022/06/27 2022/07/14			
P1		2022/07/14		16:45:43		2006/01/25 2006/01/30			

9 8 7 6 5 4 3 2 1



STACK HEIGHTS  
GIVEN IN MILLIMETERS (MM) FOR REFERENCE ONLY

ROWS: 6 DIMENSION C = 9.60/.378		
DIM P:	2.0 mm	
DIM H:	5.61/.221	
DIM S:	5.86/.231	
POSITION	DIM G	MATERIAL NO
30	43.09/1.698	45970-3165

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

mm		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
	2.5	7.50	8.24	8.50	9.24	9.00	9.74	10.00	10.74	10.50	11.24
	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
	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
	9.0	14.00	14.74	15.00	15.74	15.50	16.24	16.50	17.24	17.00	17.74

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 <b>mm</b>		SCALE <b>NTS</b>		CURRENT REV DESC:				<b>molex</b>			
GENERAL TOLERANCES (UNLESS SPECIFIED)		ANGULAR TOL ± °		EC NO: 712067 DRWN: CLHOE01 CHK'D: HCGOH APPR: SHONG							
4 PLACES ±		3 PLACES ±		2 PLACES ± 0.25		1 PLACE ± 0.38		0 PLACES ±		INITIAL REVISION: DRWN: TGREGORI APPR: JCOMERCI	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING <b>B-SIZE</b>		SERIES <b>45970</b>		MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET	
DOCUMENT STATUS P1		RELEASE DATE 2022/07/14 16:45:43		SD-45970-001				PSD 001		REVISION V	
DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION		SHEET NUMBER 5 OF 6			

F

E

D

C

B

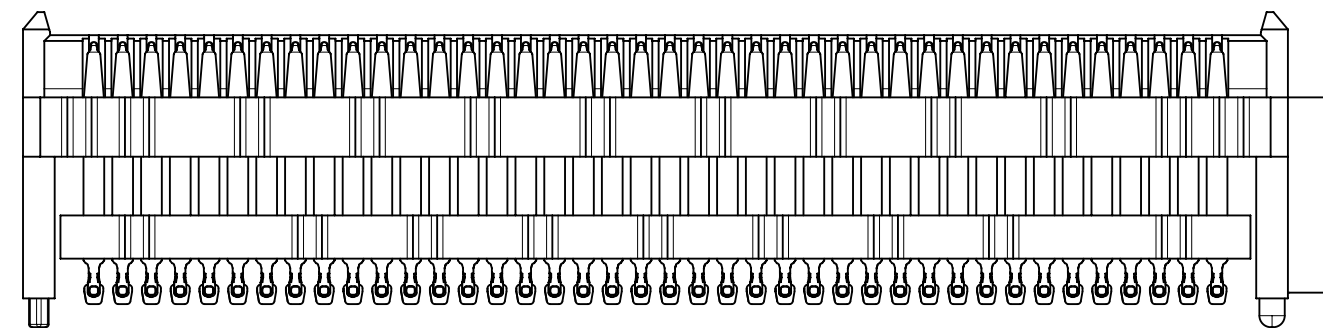
A

ROWS: 8 DIMENSION C = 12.14/.478			
DIM P:		2.0 mm	3.5 mm
DIM H:		5.61/.221	7.11/.280
DIM S:		5.86/.231	7.36/.290
POSITION	DIM G	MATERIAL NO	MATERIAL NO
20	30.39/1.198	45970-2185	45970-2385
30	43.09/1.698	45970-3185	45970-3385
40	55.79/2.198	45970-4185	45970-4385
50	68.49/2.698	45970-5185	

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	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	12.62/.497
DIM S:		5.86/.231	6.85/.270	7.36/.290	6.37/.251	8.35/.329	8.86/.349	10.86/.428	12.87/.507	12.87/.507
POSITION	DIM G	MATERIAL NO	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		45970-4916
50	68.49/2.698	45970-5115	45970-5215	45970-5315	45970-5415	45970-5515	45970-5615	45970-5715		45970-5916
15	24.04/0.948	45970-6115	45970-6215	45970-6315	45970-6415	45970-6515	45970-6615	45970-6715	45970-6915	
25	36.74/1.448	45970-7115	45970-7215	45970-7315	45970-7415	45970-7515	45970-7615	45970-7715	45970-7915	
35	49.44/1.948	45970-8115	45970-8215	45970-8315	45970-8415	45970-8515	45970-8615	45970-8715	45970-8915	
45	62.14/2.448	45970-9115	45970-9215	45970-9315	45970-9415	45970-9515	45970-9615	45970-9715	45970-9915	

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

9.0mm PLUG WITH ALIGNER  
45970-4916 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:						
mm		NTS		EC NO: 712067 DRWN: CLHOE01 CHK'D: HCGOH APPR: SHONG						
GENERAL TOLERANCES (UNLESS SPECIFIED)				2022/01/10 2022/06/27 2022/07/14					SEARAY PLUG ASSEMBLY 1.27/.050 CENTERS	
ANGULAR TOL ± °				INITIAL REVISION: DRWN: TGREGORI APPR: JCOMERCI					PRODUCT CUSTOMER DRAWING	
4 PLACES ±				2006/01/25 2006/01/30					DOCUMENT NUMBER SD-45970-001	
3 PLACES ±				THIRD ANGLE PROJECTION					DOC TYPE DOC PART REVISION PSD 001 V	
2 PLACES ± 0.25				DRAWING B-SIZE					MATERIAL NUMBER SEE TABLE	
1 PLACE ± 0.38				SERIES 45970					CUSTOMER GENERAL MARKET	
0 PLACES ±				SHEET NUMBER 6 OF 6						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										