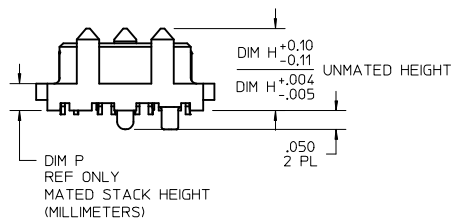
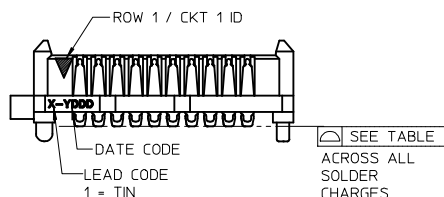
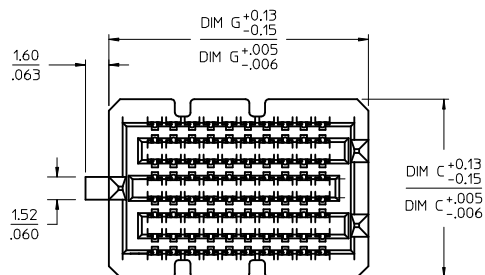
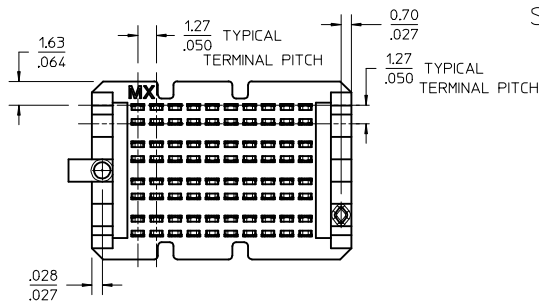


10 9 8 7 6 5 4 3 2 1



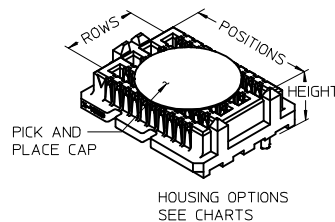
8 ROW
10 POSITION
SHOWN



SEE SHEET 3
FOR 6 ROW OPTION

NOTES:

- MATERIAL: HOUSING: LCP, GLASS FILLED, 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 MI MIN DIM P HEIGHT OPTIONS 2.0 & 2.5; SELECT GOLD FLASH IN TAIL, 7 MI MIN DIM P HEIGHT OPTIONS 3.0 THRU 7.0; SELECT TIN IN TAIL, 50 MI MIN ALL DIM P HEIGHT OPTIONS - NICKEL UNDERPLATE OVERALL
- PRODUCT SPECIFICATION: PS-45970-001
- PACKAGING SPECIFICATION: TRAY PACK PK-45971-001
- MATES WITH SEARAY RECEPTACLE ASSY 45971
- APPLICATION SPECIFICATION: AS-45970-001
- COSMETIC SPECIFICATION: PS-45499-002 CLASS B
- PART STATUS: CONTACT MOLEX



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)	3.0 MM	3.5 MM	
DIM H:	6.60/.260	7.11/.280	
POSITION	DIM G	MATERIAL NO	MATERIAL NO
20	430.37/1.196	45970-3211	45970-2311
30	43.07/1.696	45970-3211	45970-4311
40	55.78/2.196		45970-4311

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

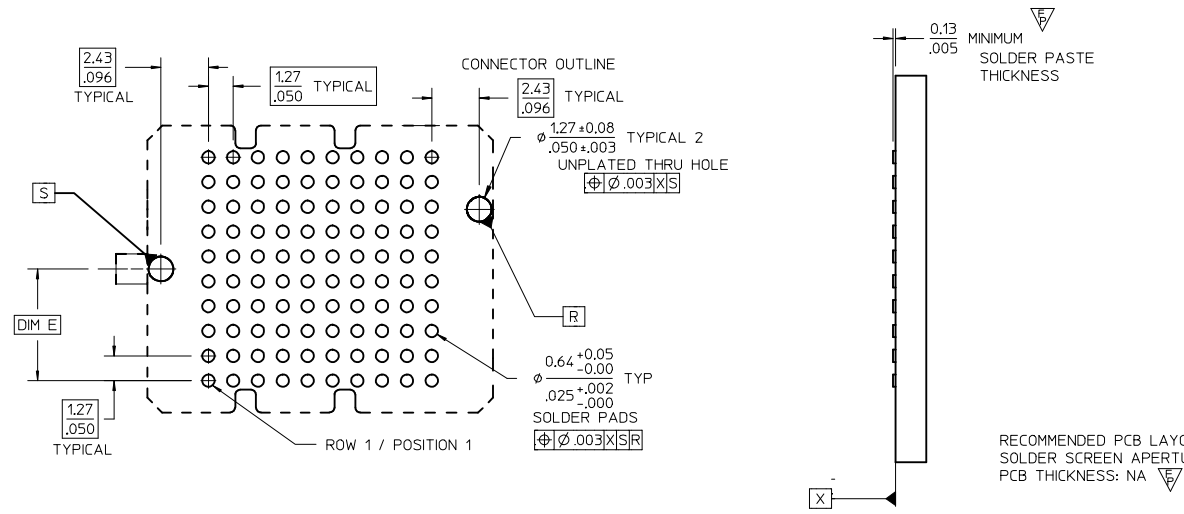
INITIAL RELEASE EC NO: UCP2015-1206 DRAWN: RWHIPPLE 2014/10/27 CHKD: DMORGAN 2014/10/27 APPR: SMILLER 2015/01/05	QUALITY SYMBOLS $\nabla = 0$ $\nabla = 0$ $\nabla = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
			MM/IN	3:1	INCH	
		4 PLACES ± --- ± ---	DRAWN BY	DATE		
		3 PLACES ± --- ± .010	RWHIPPLE	2014/10/27		
		2 PLACES ± 0.25 ± .015	CHECKED BY	DATE		SEARAY, PLUG ASSEMBLY .050 CENTERS TRAY PACKAGING
		1 PLACE ± 0.38 ± ---	DMORGAN	2014/10/27		
		0 PLACE ± ±	APPROVED BY	DATE		molex
			SMILLER	2015/01/05		
		ANGULAR ± --- °	MATERIAL NO.	DOCUMENT NO.	SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE	RSD-45970-002	1 OF 2	
			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 9 8 7 6 5 4 3 2 1

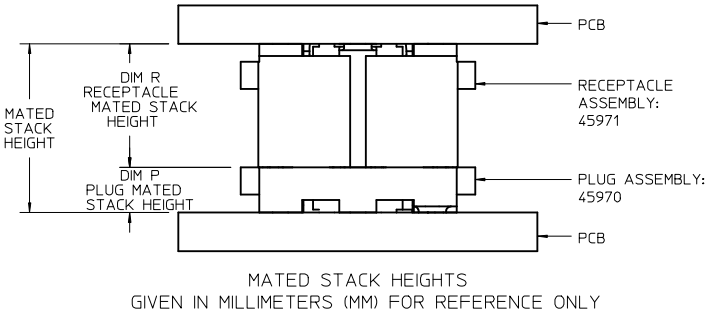
NO OF ROWS	DIM C	DIM E
6	.960/.378	.317/.125
8	1.21/.478	.444/.175
10	1.47/.578	5.72/.225

10 ROW
10 POSITION
SHOWN



		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	

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



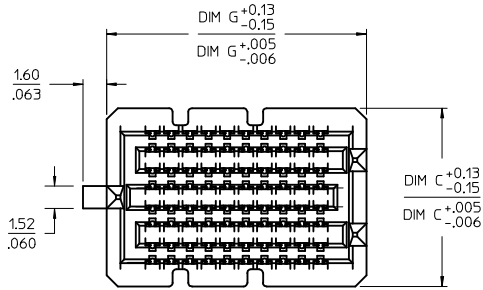
SEE SHEET 1 EC NO: UCP2015-1206 DRAWN: RWHIPPLE 2014/10/27 CHKD: DMORGAN 2014/10/27 APPR: SMILLER 2015/01/05	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
		$\nabla F/0$	mm INCH	MM/IN	4:1	INCH		
		$\nabla F/2$	4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .015 1 PLACE ± 0.38 ± --- 0 PLACE ± ±	DRAWN BY DATE RWHIPPLE 2014/10/27 CHECKED BY DATE DMORGAN 2014/10/27 APPROVED BY DATE SMILLER 2015/01/05	TITLE	SEARAY, PLUG ASSEMBLY .050 CENTERS TRAY PACKAGING		
		$\nabla F/0$	ANGULAR ± --- ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE TABLE SHT 1	DOCUMENT NO. RSD-45970-002	SHEET NO. 2 OF 2		

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

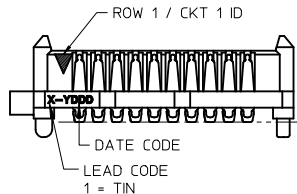
9 8 7 6 5 4 3 2 1

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 MICRONCH MINIMUM
DIM P HEIGHT OPTIONS 2.0 & 2.5: SELECT GOLD FLASH ON TAIL, 7 MICRONCH MINIMUM
DIM P HEIGHT OPTIONS 3.0 THRU 7.0: SELECT TIN ON TAIL, 50 MICRONCH MINIMUM
ALL OPTIONS - NICKEL UNDERPLATE OVERALL ON TAIL
- PRODUCT SPECIFICATION: PS-45970-001
- PACKAGING SPECIFICATION: PK-45971-002 (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

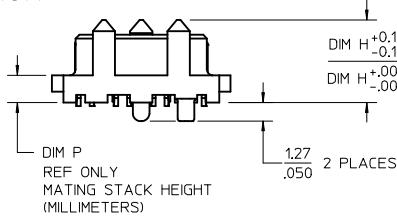


8 ROW
10 POSITION
SHOWN

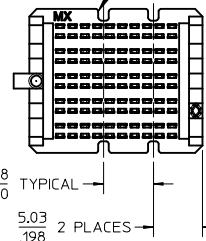


NOTE: THESE CODES MAY BE LOCATED ON EITHER SIDE OF THE HOUSING

SEE TABLE
ACROSS ALL
SOLDER
CHARGES

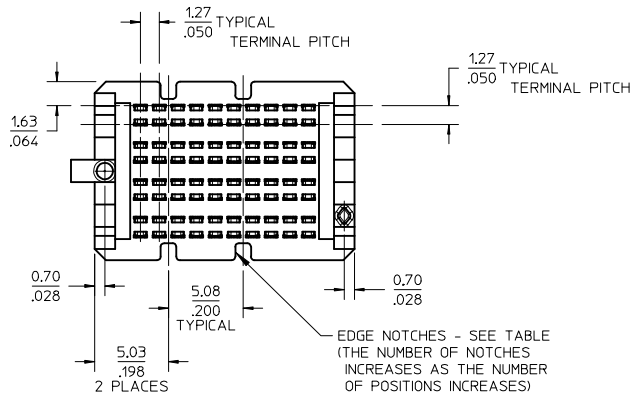


EDGE NOTCHES - SEE TABLE
(THE NUMBER OF NOTCHES
INCREASES AS THE NUMBER
OF POSITIONS INCREASES)



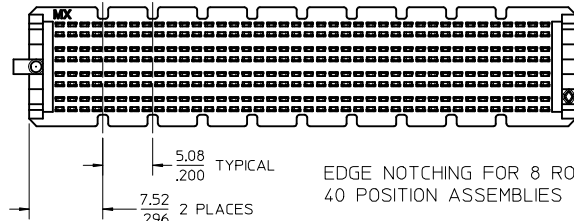
EDGE NOTCHING FOR
10 ROW ASSEMBLIES
(10 POSITION SHOWN)

POSITIONS	TOTAL NUMBER OF EDGE NOTCHES		0.15/.006
	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	

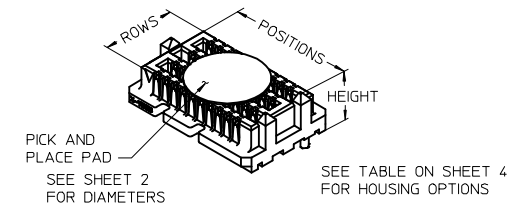


SEE OTHER EDGE NOTCHING VIEWS

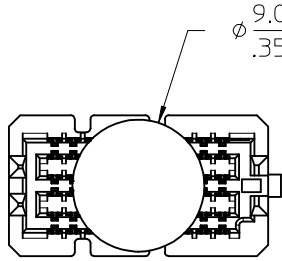
SEE SHEET 3
FOR 6 ROW OPTION



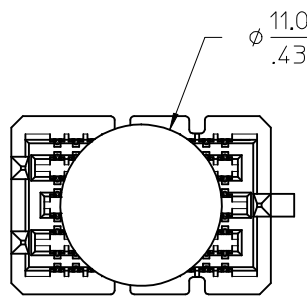
EDGE NOTCHING FOR 8 ROW,
40 POSITION ASSEMBLIES



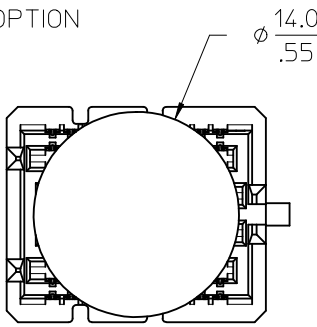
CLARIFY OVERALL LENGTH EC NO: UCP2015-5493 DRWN: SVANG01 2015/06/25 CHKD: TIBARRA 2015/08/04 APPR: SMILLER 2015/08/07	QUALITY SYMBOLS $\nabla F=0$ $\nabla E=0$ $\nabla F=0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
		mm INCH		MM/IN		3:1	INCH				
		4 PLACES ± --- ± ---	3 PLACES ± --- ± .010	2 PLACES ± 0.25 ± .015	1 PLACE ± 0.38 ± ---	0 PLACE ± ±	DRAWN BY	DATE	TITLE		
		ANGULAR ± --- °					TGREGORI	2005/01/27	SEARAY PLUG ASSEMBLY 1.27/.050 CENTERS		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					APPROVED BY		DATE		DOCUMENT NO. SD-45970-001	SHEET NO. 1 OF 4	
					JCOMERCI		2010/03/05				
					MATERIAL NO.		SEE TABLE SHT 4				
					SIZE		B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		



6 ROW OPTION

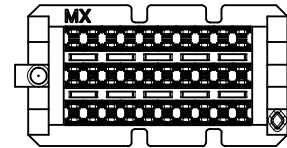
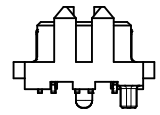
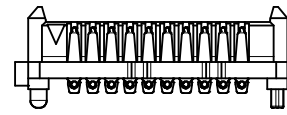
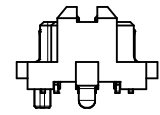
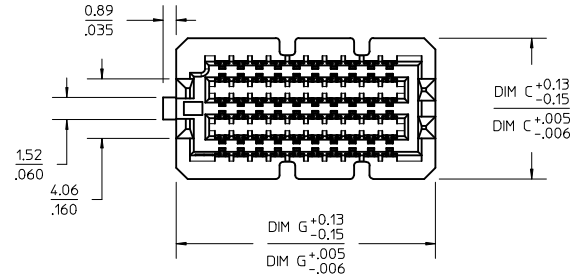


8 ROW OPTION



10 ROW OPTION

PICK AND PLACE
PAD DIAMETERS
10 POSITION VERSIONS SHOWN



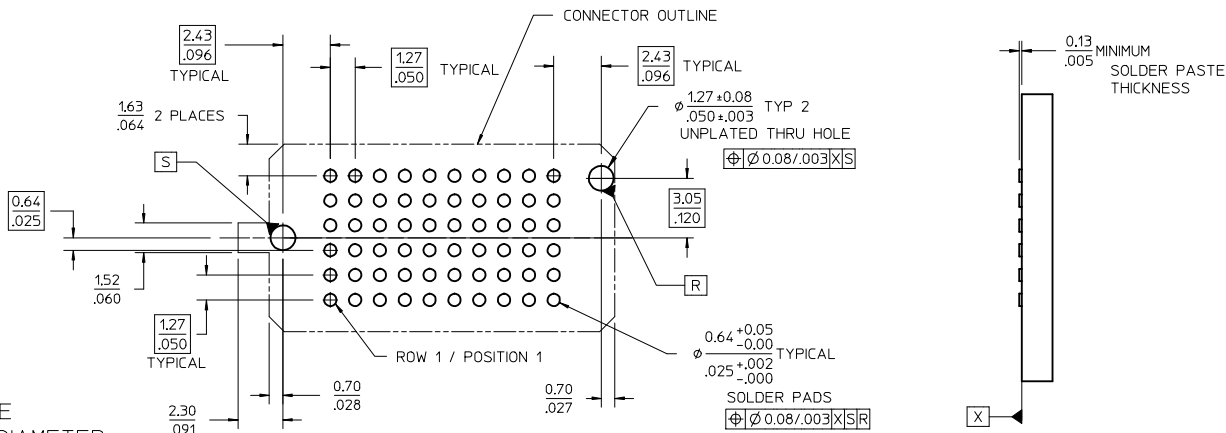
6 ROW OPTION
10 POSITION VERSION
SHOWN FOR REFERENCE

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	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
					MM/IN	3:1	INCH	
			$\nabla = 0$	4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE	SEARAY PLUG ASSEMBLY 1.27/.050 CENTERS	
			$\nabla = 0$	3 PLACES ± --- ± .010	TGREGORI 2005/01/27			
$\nabla = 0$	2 PLACES ± 0.25 ± .015	CHECKED BY DATE		molex				
$\nabla = 0$	1 PLACE ± 0.38 ± ---	BBARKER 2014/08/07						
	0 PLACE ± ±	APPROVED BY DATE		DOCUMENT NO.	SHEET NO.			
		JCOMERC I 2010/03/05	ANGULAR ± --- ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE SHT 4	SD-45970-001	2 OF 4		
				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

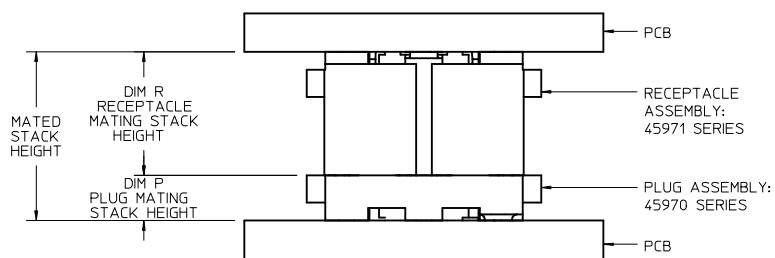
6 ROW
10 POSITION
SHOWN



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

		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		

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



STACK HEIGHTS
GIVEN IN MILLIMETERS (MM) FOR REFERENCE ONLY

SEE SHEET 1 EC NO: UCP2015-5493 DRAWN: SYANG01 2015/06/25 CHKD: TIBARRA 2015/08/04 APPR: SMILLER 2015/08/07	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
		$\nabla F/0$ $\nabla E/0$ $\nabla D/0$	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .015 1 PLACE ± 0.38 ± --- 0 PLACE ± ±	MM/IN	4:1	INCH	DRAWN BY DATE T. GREGORI 2005/01/27 CHECKED BY DATE B. BARKER 2014/08/07 APPROVED BY DATE J. COMERC I 2010/03/05	TITLE
		ANGULAR ± --- ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE TABLE SHT 4 SIZE B	DOCUMENT NO. SD-45970-001	SHEET NO. 3 OF 4			
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

SEARAY
PLUG ASSEMBLY
1.27/.050 CENTERS

molex

9 8 7 6 5 4 3 2 1

DIM P:		2.0 MM				4.5 MM		
DIM H:		5.61/.221				8.10/.319		
POSITION	DIM G	MATERIAL NO				MATERIAL NO		
10	17.69/0.698	45970-1185				45970-1585		
20	30.39/1.198	45970-218				45970-2585		
30	43.09/1.698					45970-3585		
40	55.79/2.198					45970-4585		
50	68.49/2.698					45970-5585		
15	24.04/0.948					45970-6585		
25	36.74/1.448					45970-7585		
35	49.44/1.948					45970-8585		
45	62.14/2.448					45970-9585		

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
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