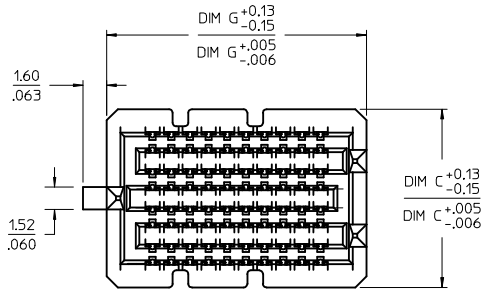
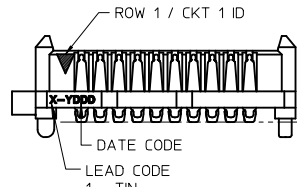


NOTES:

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

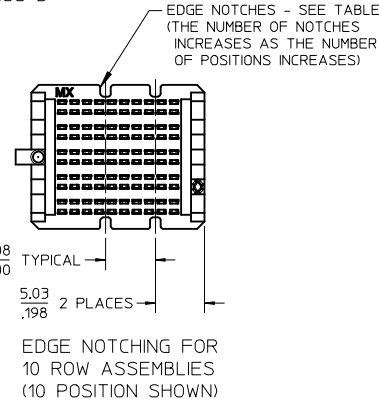
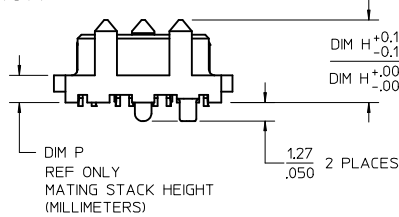


8 ROW
10 POSITION
SHOWN

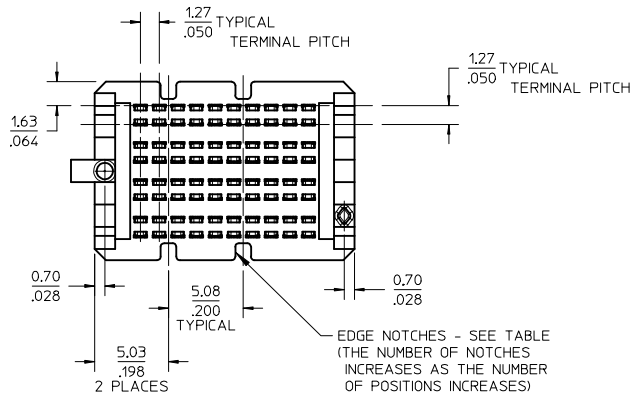


NOTE: THESE CODES MAY BE LOCATED ON EITHER SIDE OF THE HOUSING

SEE TABLE
ACROSS ALL
SOLDER
CHARGES

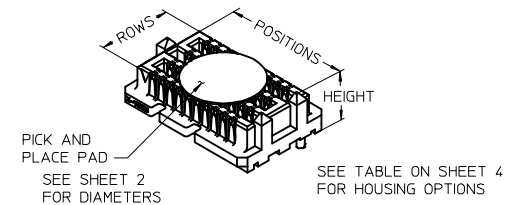
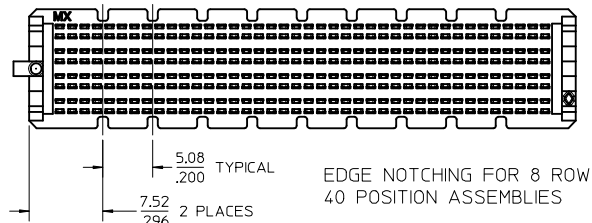


TOTAL NUMBER OF EDGE NOTCHES			
POSITIONS	8 ROW	6 AND 10 ROW	
10	4	4	0.15/.006
15	6	6	
20	10	10	
25	12	12	
30	14	14	
35	16	16	0.23/.009
40	18	20	
45	22	22	
50	24	24	

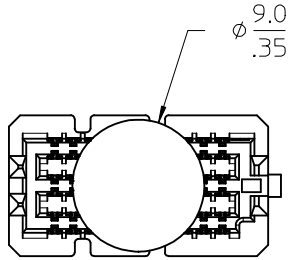


SEE OTHER EDGE NOTCHING VIEWS

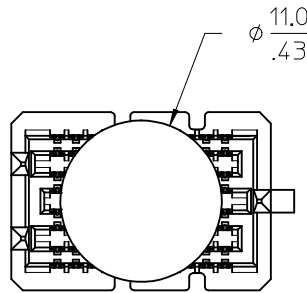
SEE SHEET 3
FOR 6 ROW OPTION



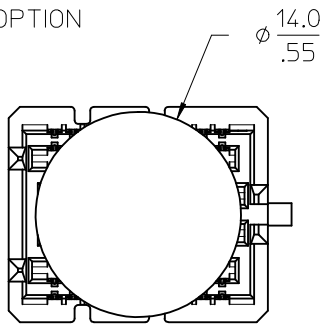
CLARIFY OVERALL LENGTH EC NO: UCP2015-5493 DRWN:SVANG01 2015/06/25 CHKD:TIBARRA 2015/08/04 APPR:SMILLER 2015/08/07		DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 3:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION ⊙ □	
				mm	INCH	DRAWN BY TGREGORI	DATE 2005/01/27	TITLE SEARAY PLUG ASSEMBLY 1.27/.050 CENTERS			
				4 PLACES ± --- ± ---	3 PLACES ± --- ± .010	CHECKED BY BBARKER	DATE 2014/08/07				
				2 PLACES ± 0.25 ± .015	1 PLACE ± 0.38 ± ---	APPROVED BY JCOMERC I	DATE 2010/03/05	molex			
				0 PLACE ± ±	ANGULAR ± ---°						
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLE SHT 4		DOCUMENT NO. SD-45970-001		SHEET NO. 1 OF 4	
		REV				SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



6 ROW OPTION



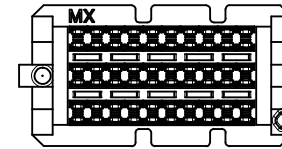
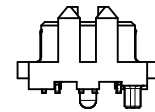
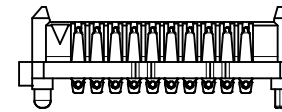
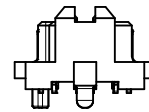
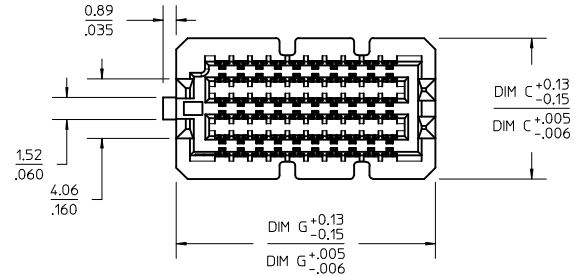
8 ROW OPTION



10 ROW OPTION

PICK AND PLACE
PAD DIAMETERS

10 POSITION VERSIONS SHOWN

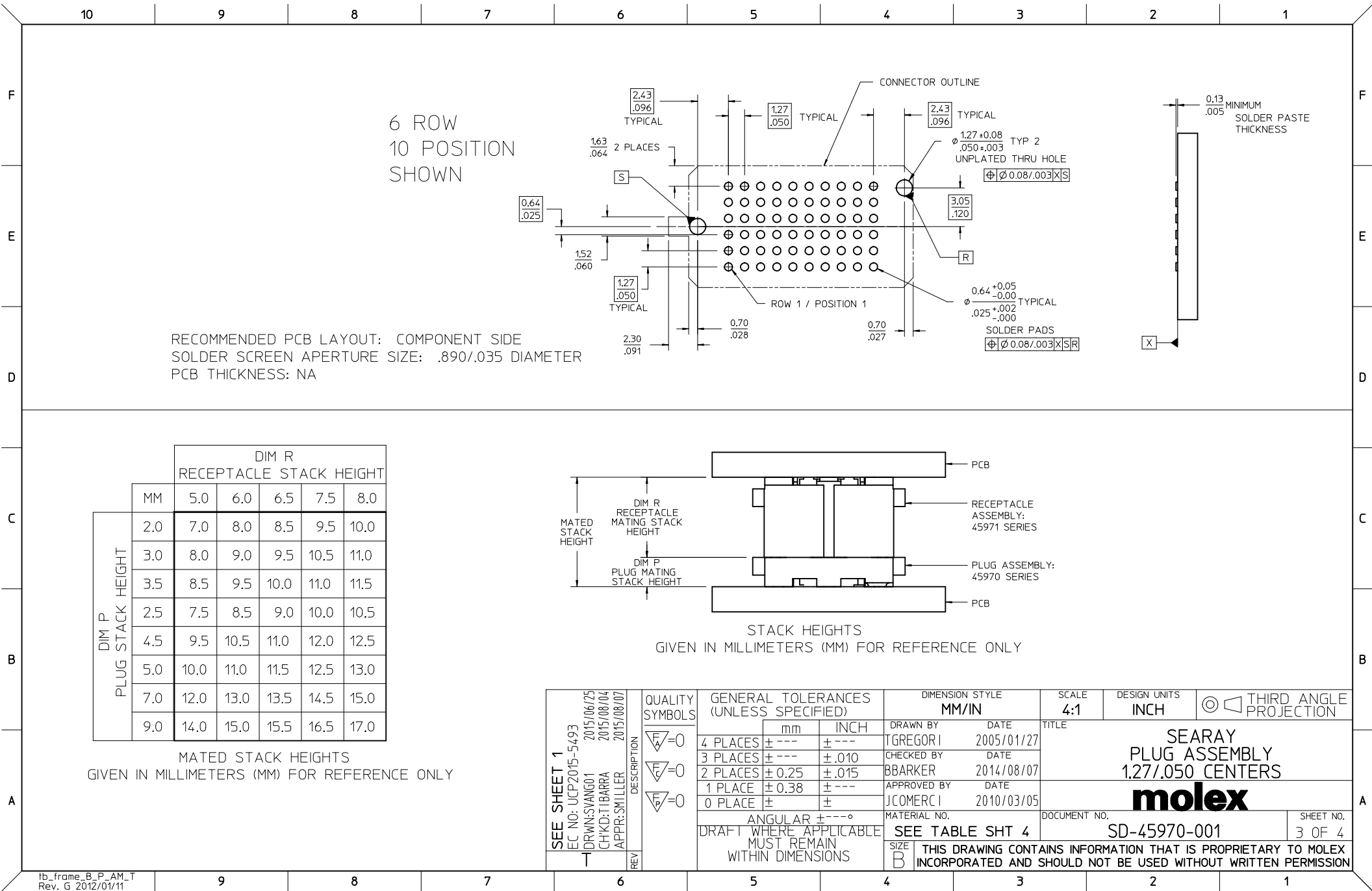


6 ROW OPTION

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 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 2005/01/27		TITLE SEARAY PLUG ASSEMBLY 1.27/.050 CENTERS molex	
			4 PLACES ± --- ± ---		CHECKED BY BBARKER		DATE 2014/08/07			
			3 PLACES ± --- ± .010		APPROVED BY JCOMERC I		DATE 2010/03/05			
			2 PLACES ± 0.25 ± .015							
			1 PLACE ± 0.38 ± ---							
			0 PLACE ± ±							
			ANGULAR ± ---°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
			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
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	MATING STACK HEIGHTS (DIMENSION P) GIVEN IN MILLIMETERS (MM) FOR REFERENCE ONLY									
B	MATING STACK HEIGHTS (DIMENSION P) GIVEN IN MILLIMETERS (MM) FOR REFERENCE ONLY									
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 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 DATE TGREGORI 2005/01/27		TITLE		SEARAY PLUG ASSEMBLY 1.27/.050 CENTERS molex				
4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .015 1 PLACE ± 0.38 ± --- 0 PLACE ± ±		CHECKED BY DATE BBARKER 2014/08/07		APPROVED BY DATE JCOMERCI 2010/03/05						
ANGULAR ± ---° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.				
SIZE B		SEE TABLES		SD-45970-001		4 OF 4				
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
ib_frame_B_2_P_AM_T Rev. G 2012/01/11										
	9	8	7	6	5	4	3	2	1	

6

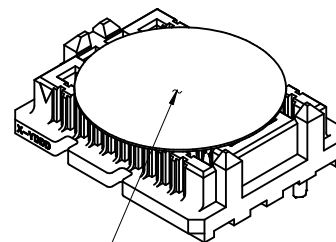
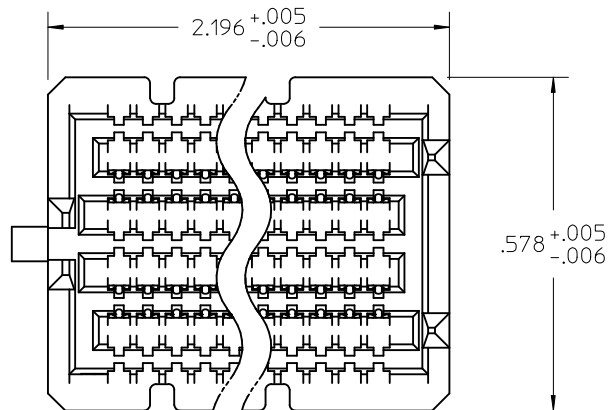
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4

3

2

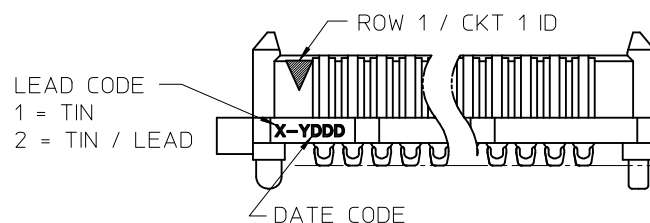
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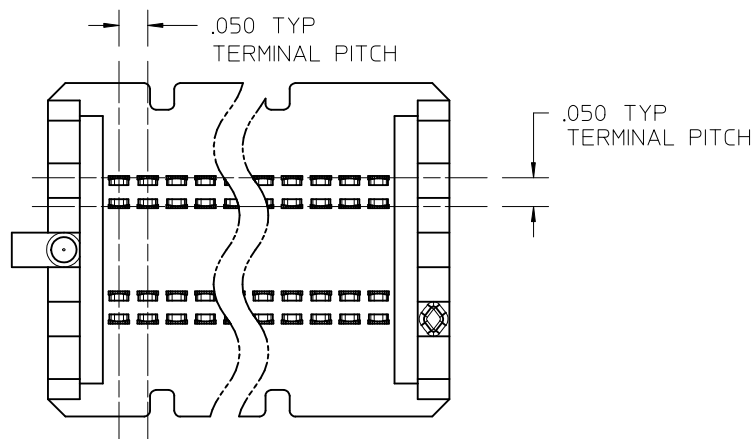
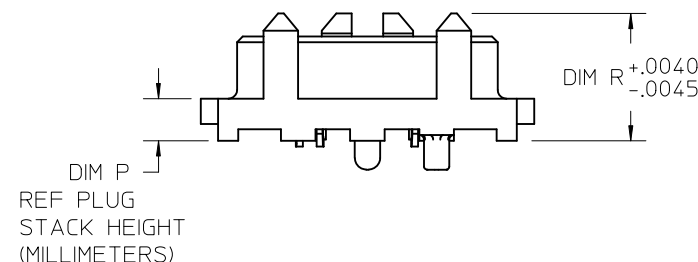
PICK AND
PLACE CAP

NOTES:

1. MATERIAL: HOUSING: LCP, UL94V-0, BLACK
CONTACTS: COPPER ALLOY
SOLDER CHARGE: SEE CHARTS
2. FINISH: SELECT GOLD IN CONTACT: 30 MI MIN
SELECT TIN IN TAIL: 100 MI MIN
BOTH OVER NICKEL
3. PRODUCT SPECIFICATION: PS-45970-001
4. PACKAGING SPECIFICATION: PK-45970-002
5. MATES WITH SEARAY RECEPTACLE ASSY 45971
6. APPLICATION SPECIFICATION: AS-45970-001
7. COSMETIC SPECIFICATION: PS-45499-002 CLASS B



$\frac{\text{.006}}{\text{ACROSS ALL
SOLDER CHARGES}}$



TIN	MATERIAL NO:	45970-4105	45970-4305
	DIM P (REF)	2.0 MM	3.5 MM
	DIM R	.221	.280

TIN / LEAD	MATERIAL NO:	45970-4107	45970-4307
	DIM P (REF)	2.0 MM	3.5 MM
	DIM R	.221	.280

INITIAL RELEASE	DESCRIPTION
EC NO: UCP2010-0292	2009/08/04
DRWN: TGREGORI	2009/08/04
CHKD: JCOMERC I	2009/08/05
APPR: JCOMERC I	2009/08/05
REV	
A	

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± ---	± .015
1 PLACE	± ---	± ---
ANGULAR ± ---°		

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
INCH ONLY

DRAWN BY	DATE
TGREGORI	2009/07/31
CHECKED BY	DATE
JCOMERC I	
APPROVED BY	DATE
JCOMERC I	2009/08/04

MATERIAL NO.

SEE CHART

SIZE
A

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

SCALE
3:1DESIGN UNITS
INCHTHIRD ANGLE
PROJECTION

SEARAY PLUG ASSEMBLY
.050 CENTERS
FOR VITA 57 SPEC

MOLEX INCORPORATED

DOCUMENT NO.

SD-45970-057

SHEET NO.

1 OF 2

