

6

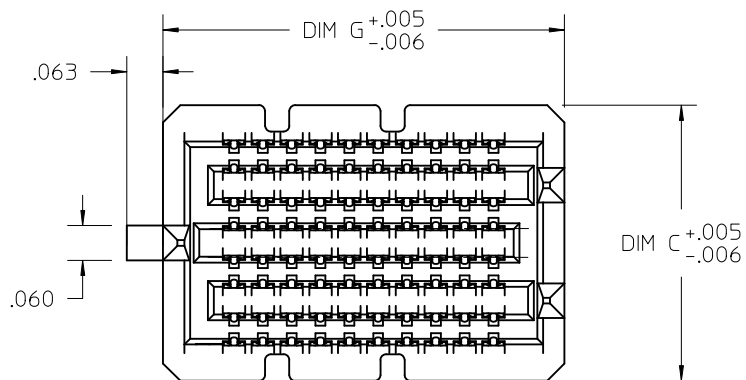
5

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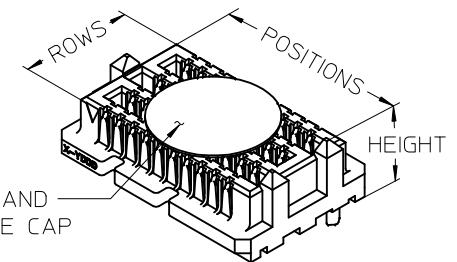
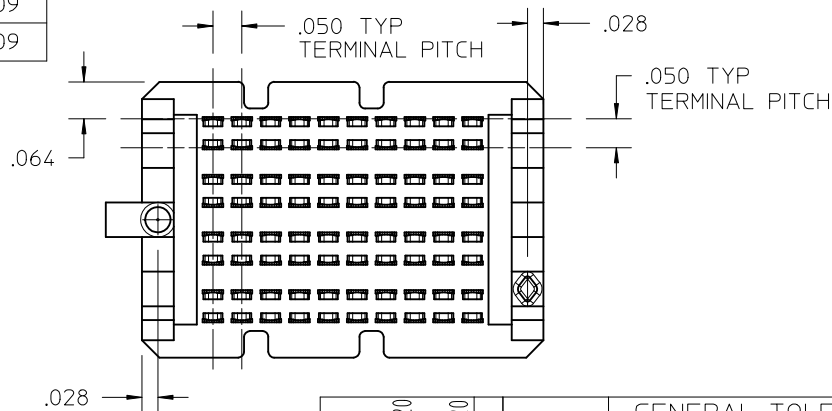
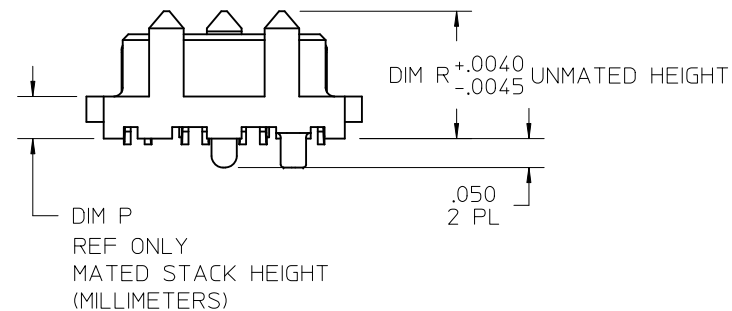
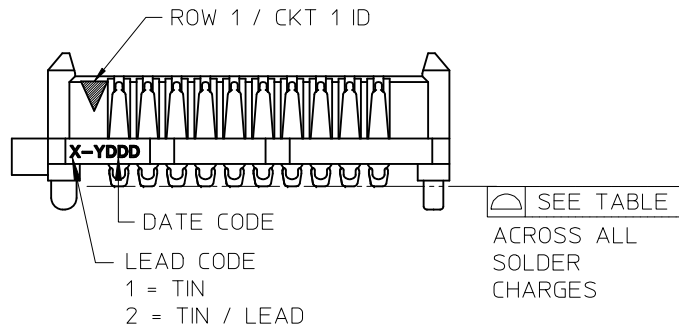
1



NOTES:

1. MATERIAL: HOUSING: LCP, UL94V-0, BLACK
CONTACTS: COPPER ALLOY
SOLDER CHARGE: SEE CHARTS
2. 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 - OVER NICKEL
3. PRODUCT SPECIFICATION: PS-45970-001
4. PACKAGING SPECIFICATION: SEE CHART
5. MATES WITH SEARAY RECEPTACLE ASSY 45971
6. APPLICATION SPECIFICATION: AS-45970-001
7. COSMETIC SPECIFICATION: PS-45499-002 CLASS B
8. PART STATUS: CONTACT MOLEX

POSITION	
19	.006
10	.006
20	.006
30	.006
40	.006
50	.006
15	.006
25	.006
35	.009
45	.009

HOUSING OPTIONS
SEE CHARTS

REV	DESCRIPTION
Q	REV NOTE 2 EC NO: UCP2012-3461 DRWN: TREGORI CHKD: JCOMERC I APPR: JCOMERC I 2012/04/20 2012/04/20

GENERAL TOLERANCES
(UNLESS SPECIFIED)

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

ANGULAR ± ---°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONSDIMENSION STYLE
INCH ONLY

DRAWN BY	DATE
TGREGORI	2005/01/27
CHECKED BY	DATE
JCOMERC I	
APPROVED BY	DATE
JCOMERC I	2010/03/05

MATERIAL NO.

SEE CHART

SIZE
ATHIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSIONSCALE
3:1DESIGN UNITS
INCHTHIRD ANGLE
PROJECTIONSEARAY
PLUG ASSEMBLY
.050 CENTERS

MOLEX INCORPORATED

DOCUMENT NO.

SD-45970-001

SHEET NO.

1 OF 10

D

C

B

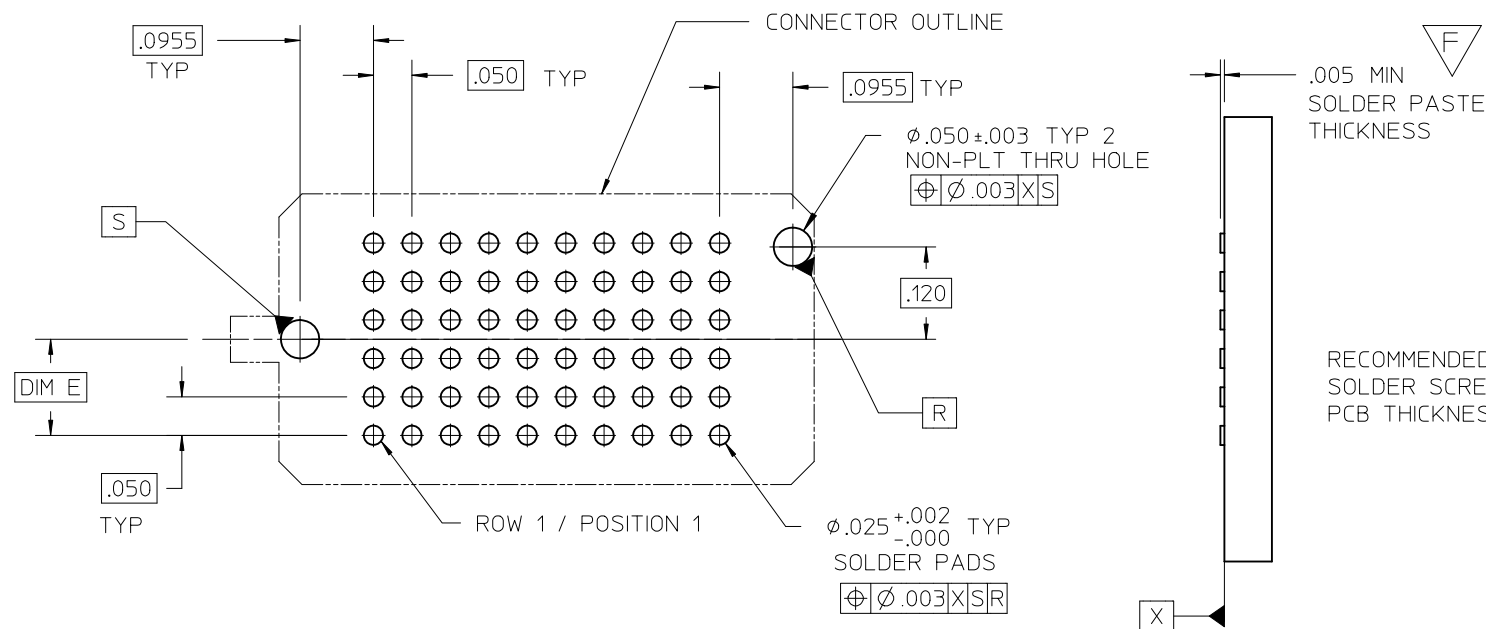
A

D

C

B

A

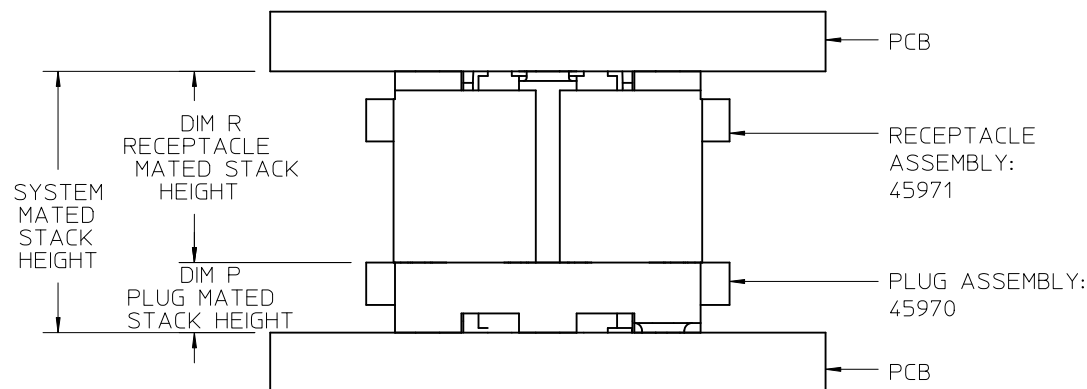


NO OF ROWS	DIM C	DIM E
6	.378	.125
8	.478	.175
10	.578	.225
12	.678	.275

RECOMMENDED PCB LAYOUT: COMPONENT SIDE
SOLDER SCREEN APERTURE SIZE: .035
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	

MATED STACK HEIGHTS
(MILLIMETERS) REF



STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY

SEE SHEET 1 EC NO: UCP2012-3461 DRWN: TGREGORI 2012/04/20 CHKD: JCOMERC I APPR: JCOMERC I 2012/04/20	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE INCH ONLY		SCALE 4:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION			
			mm	INCH	DRAWN BY TGREGORI	DATE 2005/01/27	TITLE SEARAY PLUG ASSEMBLY .050 CENTERS					
		4 PLACES	± ---	± ---	CHECKED BY JCOMERC I	DATE						
		3 PLACES	± ---	± .010	APPROVED BY JCOMERC I		DATE 2010/03/05	 MOLEX INCORPORATED				
		2 PLACES	± ---	± .015								
		1 PLACE	± ---	± ---								
ANGULAR ± ---°					DOCUMENT NO. SD-45970-001		SHEET NO. 2 OF 10					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

D	TRAY PACK PK-45971-001	6		5		4		3		2		1					
		DIM P:		2.0 MM		3.0 MM		3.5 MM		2.5 MM		4.5 MM		5.0 MM		7.0 MM	
		DIM R:		.221		.260		.280		.241		.319		.339		.418	
		POSITION	DIM G	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO			
		19	1.146	45970-0161	OBSOLETE	45970-0361	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE			
		10	0.696	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE			
		20	1.196	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE			
		30	1.696	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE			
		40	2.196	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE			
		50	2.696	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE			
		15	0.946	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE			
		25	1.446	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE			
		35	1.946	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE			
45	2.446	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE					
C	TAPE AND REEL PACK PK-45971-002	DIM P:		2.0 MM		3.0 MM		3.5 MM		2.5 MM		4.5 MM		5.0 MM		7.0 MM	
		DIM R:		.221		.260		.280		.241		.319		.339		.418	
		POSITION	DIM G	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO			
		19	1.146	45970-0165	45970-0265	45970-0365	45970-0465	45970-0565	45970-0665	45970-0765	45970-0865	45970-0965	45970-1065	45970-1165			
		10	0.696	45970-1165	45970-1265	45970-1365	45970-1465	45970-1565	45970-1665	45970-1765	45970-1865	45970-1965	45970-2065	45970-2165			
		20	1.196	45970-2165	45970-2265	45970-2365	45970-2465	45970-2565	45970-2665	45970-2765	45970-2865	45970-2965	45970-3065	45970-3165			
		30	1.696	45970-3165	45970-3265	45970-3365	45970-3465	45970-3565	45970-3665	45970-3765	45970-3865	45970-3965	45970-4065	45970-4165			
		40	2.196	45970-4165	45970-4265	45970-4365	45970-4465	45970-4565	45970-4665	45970-4765	45970-4865	45970-4965	45970-5065	45970-5165			
		50	2.696	45970-5165	45970-5265	45970-5365	45970-5465	45970-5565	45970-5665	45970-5765	45970-5865	45970-5965	45970-6065	45970-6165			
		15	0.946	45970-6165	45970-6265	45970-6365	45970-6465	45970-6565	45970-6665	45970-6765	45970-6865	45970-6965	45970-7065	45970-7165			
		25	1.446	45970-7165	45970-7265	45970-7365	45970-7465	45970-7565	45970-7665	45970-7765	45970-7865	45970-7965	45970-8065	45970-8165			
		35	1.946	45970-8165	45970-8265	45970-8365	45970-8465	45970-8565	45970-8665	45970-8765	45970-8865	45970-8965	45970-9065	45970-9165			
		45	2.446	45970-9165	45970-9265	45970-9365	45970-9465	45970-9565	45970-9665	45970-9765	45970-9865	45970-9965	45970-10065	45970-10165			
B		NOTES: 1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS: NO OF ROWS: 6 SOLDER CHARGE: TIN, 95.5/ Ag 3.8/ Cu 0.7 PACKAGING: TRAYS AND TAPE AND REEL															
		SEE SHEET 1 EC NO: UCP2012-3461 DRWN: TGREGORI 2012/04/20 CHKD: JCOMERCI APPR: JCOMERCI 2012/04/20	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE INCH ONLY		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION						
					mm	INCH	DRAWN BY TGREGORI	DATE 2005/01/27	SEARAY PLUG ASSEMBLY .050 CENTERS MOLEX INCORPORATED								
				4 PLACES	± ---	± ---	CHECKED BY JCOMERCI	DATE									
				3 PLACES	± ---	± .010	APPROVED BY JCOMERCI	DATE 2010/03/05									
				2 PLACES	± ---	± .015	DOCUMENT NO. SD-45970-001	SHEET NO. 3 OF 10									
				1 PLACE	± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
				Q	REV												
				tb_frame_A_P_AM_T Rev. E 2006/04/15		5	4	3	2	1							

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TRAY PACK PK-45971-001	DIM P:		2.0 MM	3.0 MM	3.5 MM	2.5 MM	4.5 MM	5.0 MM	7.0 MM
	DIM R:		.221	.260	.280	.241	3.19	.339	.418
	POSITION	DIM G	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO
	19	1.146	45970-0163	OBSOLETE	45970-0363	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE
	10	0.696	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE
	20	1.196	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE
	30	1.696	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE
	40	2.196	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE
	50	2.696	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE
	15	0.946	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE
	25	1.446	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE
	35	1.946	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE
	45	2.446	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE

TAPE AND REEL PACK PK-45971-002	DIM P:		2.0 MM	3.0 MM	3.5 MM	2.5 MM	4.5 MM	5.0 MM	7.0 MM
	DIM R:		.221	.260	.280	.241	.319	.339	.418
	POSITION	DIM G	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO
	19	1.146	45970-0167	45970-0267	45970-0367	45970-0467	45970-0567	45970-0667	45970-0767
	10	0.696	45970-1167	45970-1267	45970-1367	45970-1467	45970-1567	45970-1667	45970-1767
	20	1.196	45970-2167	45970-2267	45970-2367	45970-2467	45970-2567	45970-2667	45970-2767
	30	1.696	45970-3167	45970-3267	45970-3367	45970-3467	45970-3567	45970-3667	45970-3767
	40	2.196	45970-4167	45970-4267	45970-4367	45970-4467	45970-4567	45970-4667	45970-4767
	50	2.696	45970-5167	45970-5267	45970-5367	45970-5467	45970-5567	45970-5667	45970-5767
	15	0.946	45970-6167	45970-6267	45970-6367	45970-6467	45970-6567	45970-6667	45970-6767
	25	1.446	45970-7167	45970-7267	45970-7367	45970-7467	45970-7567	45970-7667	45970-7767
	35	1.946	45970-8167	45970-8267	45970-8367	45970-8467	45970-8567	45970-8667	45970-8767
	45	2.446	45970-9167	45970-9267	45970-9367	45970-9467	45970-9567	45970-9667	45970-9767

NOTES:

1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS

ROWS: 6

SOLDER CHARGE: TIN / LEAD, 63/Pb 37

PACKAGING: TRAYS AND TAPE AND REEL

SEE SHEET 1 EC NO: UCP2012-3461 DRWN: T GREGORI 2012/04/20 CHKD: APPR: JCOMERCI 2012/04/20	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE INCH ONLY		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION				
		4 PLACES 3 PLACES 2 PLACES 1 PLACE	mm	INCH	DRAWN BY T GREGORI	DATE 2005/01/27	TITLE SEARAY PLUG ASSEMBLY .050 CENTERS MOLEX INCORPORATED						
			± ---	± ---	CHECKED BY JCOMERCI	DATE							
			± ---	± .010	APPROVED BY JCOMERCI	DATE 2010/03/05							
			± ---	± .015	DOCUMENT NO. SD-45970-001							SHEET NO. 4 OF 10	
			± ---	± ---									
		ANGULAR ± ---°											
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											
		Q	REV			SIZE A	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

tb_frame_A_P_AM_T
Rev. E 2006/04/15

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D	6		5		4		3		2		1					
	DIM P:		2.0 MM		3.0 MM		2.5 MM		4.5 MM		5.0 MM		7.0 MM			
	DIM R:		.221		.260		.241		.319		.339		.418			
	POSITION	DIM G	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO			
	19	1.146	45970-0181		OBSOLETE		45970-0381		OBSOLETE		OBSOLETE		OBSOLETE			
	10	0.696	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
	20	1.196	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
	30	1.696	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
	40	2.196	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
	50	2.696	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
	15	0.946	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
	25	1.446	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
	35	1.946	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
45	2.446	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE				
C	DIM P:		2.0 MM		3.0 MM		2.5 MM		4.5 MM		5.0 MM		7.0 MM			
	DIM R:		.221		.260		.241		.319		.339		.418			
	POSITION	DIM G	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO			
	19	1.146	45970-0185		45970-0285		45970-0385		45970-0485		45970-0585		45970-0685		45970-0785	
	10	0.696	45970-1185		45970-1285		45970-1385		45970-1485		45970-1585		45970-1685		45970-1785	
	20	1.196	45970-2185		45970-2285		45970-2385		45970-2485		45970-2585		45970-2685		45970-2785	
	30	1.696	45970-3185		45970-3285		45970-3385		45970-3485		45970-3585		45970-3685		45970-3785	
	40	2.196	45970-4185		45970-4285		45970-4385		45970-4485		45970-4585		45970-4685		45970-4785	
	50	2.696	45970-5185		45970-5285		45970-5385		45970-5485		45970-5585		45970-5685		45970-5785	
	15	0.946	45970-6185		45970-6285		45970-6385		45970-6485		45970-6585		45970-6685		45970-6785	
	25	1.446	45970-7185		45970-7285		45970-7385		45970-7485		45970-7585		45970-7685		45970-7785	
	35	1.946	45970-8185		45970-8285		45970-8385		45970-8485		45970-8585		45970-8685		45970-8785	
	45	2.446	45970-9185		45970-9285		45970-9385		45970-9485		45970-9585		45970-9685		45970-9785	
B	NOTES: 1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS ROWS: 8 SOLDER CHARGE: TIN, 95.5/ Ag 3.8/ Cu 0.7 PACKAGING: TRAYS AND TAPE AND REEL															
	SEE SHEET 1 EC NO: UCP2012-3461 DRWN: TGREGORI 2012/04/20 CHKD: APPR: JCOMERCI 2012/04/20	REV	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE INCH ONLY		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION					
				mm		INCH	DRAWN BY TGREGORI		DATE 2005/01/27	SEARAY PLUG ASSEMBLY .050 CENTERS						
				4 PLACES ± ---		± ---	CHECKED BY JCOMERCI		DATE							
				3 PLACES ± ---		± .010	APPROVED BY JCOMERCI		DATE 2010/03/05							
				2 PLACES ± ---		± .015	MOLEX INCORPORATED									
	1 PLACE ± ---		± ---	DOCUMENT NO. SD-45970-001		SHEET NO. 5 OF 10										
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
	tb_frame_A_P_AM_T Rev. E 2006/04/15		5		4		3		2		1					

		6		5		4		3		2		1							
D	TRAY PACK PK-45971-001	DIM P:		2.0 MM		3.0 MM		3.5 MM		2.5 MM		4.5 MM		5.0 MM		7.0 MM			
		DIM R:		.221		.260		.280		.241		.319		.339		.418			
		POSITION	DIM G	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO			
		19	1.146	45970-0183		OBSOLETE		45970-0383		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
		10	0.696	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
		20	1.196	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
		30	1.696	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
		40	2.196	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
		50	2.696	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
		15	0.446	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
		25	0.946	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
		35	1.446	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
45	1.946	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE					
C	TAPE AND REEL PACK PK-45971-002	DIM P:		2.0 MM		3.0 MM		3.5 MM		2.5 MM		4.5 MM		5.0 MM		7.0 MM			
		DIM R:		.221		.260		.280		.241		.319		.339		.418			
		POSITION	DIM G	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO			
		19	1.146	45970-0187		45970-0287		45970-0387		45970-0487		45970-0587		45970-0687		45970-0787			
		10	0.696	45970-1187		45970-1287		45970-1387		45970-1487		45970-1587		45970-1687		45970-1787			
		20	1.196	45970-2187		45970-2287		45970-2387		45970-2487		45970-2587		45970-2687		45970-2787			
		30	1.696	45970-3187		45970-3287		45970-3387		45970-3487		45970-3587		45970-3687		45970-3787			
		40	2.196	45970-4187		45970-4287		45970-4387		45970-4487		45970-4587		45970-4687		45970-4787			
		50	2.696	45970-5187		45970-5287		45970-5387		45970-5487		45970-5587		45970-5687		45970-5787			
		15	0.946	45970-6187		45970-6287		45970-6387		45970-6487		45970-6587		45970-6687		45970-6787			
		25	1.446	45970-7187		45970-7287		45970-7387		45970-7487		45970-7587		45970-7687		45970-7787			
		35	1.946	45970-8187		45970-8287		45970-8387		45970-8487		45970-8587		45970-8687		45970-8787			
45	2.446	45970-9187		45970-9287		45970-9387		45970-9487		45970-9587		45970-9687		45970-9787					
B	NOTES: 1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS ROWS: 8 SOLDER CHARGE: TIN / LEAD, 63/Pb 37 PACKAGING: TRAYS AND TAPE AND REEL																		
	A	SEE SHEET 1 EC NO: UCP2012-3461 DRWN:TGREGORI 2012/04/20 CH'KD: APPR:JCOMERC I 2012/04/20	REV	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE INCH ONLY		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION							
						mm	INCH	DRAWN BY	DATE	TITLE SEARAY PLUG ASSEMBLY .050 CENTERS MOLEX INCORPORATED									
					4 PLACES	± ---	± ---	TGREGORI	2005/01/27										
					3 PLACES	± ---	± .010	CHECKED BY	DATE										
					2 PLACES	± ---	± .015	JCOMERC I											
					1 PLACE	± ---	± ---	APPROVED BY	DATE	DOCUMENT NO. SD-45970-001									
					ANGULAR ±---°			JCOMERC I	2010/03/05						SHEET NO. 6 OF 10				
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
					tb_frame_A_P_AM_T Rev. E 2006/04/15		5	4		3		2		1					

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B

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TRAY PACK PK-45971-001

TAPE AND REEL PACK PK-45971-002

DIM P:		2.0 MM	3.0 MM	3.5 MM	2.5 MM	4.5 MM	5.0 MM	7.0 MM		
DIM R:		.221	.260	.280	.241	.319	.339	.418		
POSITION	DIM G	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO		
19	1.146	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE		
10	0.696	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE		
20	1.196	OBSOLETE	OBSOLETE	45970-2311	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE		
30	1.696	OBSOLETE	45970-3211	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE		
40	2.196	OBSOLETE	OBSOLETE	45970-4311	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE		
50	2.696	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE		
15	0.946	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE		
25	1.446	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE		
35	1.946	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE		
45	2.446	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE		

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 R:		.221	.260	.280	.241	.319	.339	.418	.497
POSITION	DIM G	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO
19	1.146	45970-0115	45970-0215	45970-0315	45970-0415	45970-0515	45970-0615	45970-0715	45970-0915
10	0.696	45970-1115	45970-1215	45970-1315	45970-1415	45970-1515	45970-1615	45970-1715	45970-1915
20	1.196	45970-2115	45970-2215	45970-2315	45970-2415	45970-2515	45970-2615	45970-2715	45970-2915
30	1.696	45970-3115	45970-3215	45970-3315	45970-3415	45970-3515	45970-3615	45970-3715	45970-3915
40	2.196	45970-4115	45970-4215	45970-4315	45970-4415	45970-4515	45970-4615	45970-4715	45970-4915
50	2.696	45970-5115	45970-5215	45970-5315	45970-5415	45970-5515	45970-5615	45970-5715	45970-5915
15	0.946	45970-6115	45970-6215	45970-6315	45970-6415	45970-6515	45970-6615	45970-6715	45970-6915
25	1.446	45970-7115	45970-7215	45970-7315	45970-7415	45970-7515	45970-7615	45970-7715	45970-7915
35	1.946	45970-8115	45970-8215	45970-8315	45970-8415	45970-8515	45970-8615	45970-8715	45970-8915
45	2.446	45970-9115	45970-9215	45970-9315	45970-9415	45970-9515	45970-9615	45970-9715	45970-9915

NOTES:

1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS

ROWS: 10

SOLDER CHARGE: TIN, 95.5/ Ag 3.8/ Cu 0.7

PACKAGING: TRAYS AND TAPE AND REEL

SEE SHEET 1 EC NO: UCP2012-3461 DRWN: TGREGOR I 2012/04/20 CHKD: APPR: JCOMERC I 2012/04/20	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE INCH ONLY		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
			mm	INCH	DRAWN BY TGREGOR I	DATE 2005/01/27	SEARAY PLUG ASSEMBLY .050 CENTERS				
		4 PLACES	± ---	± ---	CHECKED BY JCOMERC I	DATE					
		3 PLACES	± ---	± .010							
		2 PLACES	± ---	± .015							
					1 PLACE	± ---	± ---	APPROVED BY JCOMERC I	DATE 2010/03/05	MOLEX INCORPORATED	
		ANGULAR ±---°									
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					DOCUMENT NO. SD-45970-001		SHEET NO. 7 OF 10		
		Q	REV			SIZE A	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

tb_frame_A_P_AM_T
Rev. E 2006/04/15

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		6		5		4		3		2		1							
D	TRAY PACK PK-45971-001	DIM P:		2.0 MM		3.0 MM		3.5 MM		2.5 MM		4.5 MM		5.0 MM		7.0 MM			
		DIM R:		.221		.260		.280		.241		.319		.339		.418			
		POSITION	DIM G	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO			
		19	1.146	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
		10	0.696	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
		20	1.196	OBSOLETE		OBSOLETE		45970-2313		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
		30	1.696	OBSOLETE		45970-3213		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
		40	2.196	OBSOLETE		OBSOLETE		45970-4313		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
		50	2.696	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
		15	0.946	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
		25	1.446	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
		35	1.946	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
45	2.446	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE					
C	TAPE AND REEL PACK PK-45971-002	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 R:		.221		.260		.280		.241		.319		.339		.418		.497	
		POSITION	DIM G	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO	
		19	1.146	45970-0117		45970-0217		45970-0317		45970-0417		45970-0517		45970-0617		45970-0717		45970-0917	
		10	0.696	45970-1117		45970-1217		45970-1317		45970-1417		45970-1517		45970-1617		45970-1717		45970-1917	
		20	1.196	45970-2117		45970-2217		45970-2317		45970-2417		45970-2517		45970-2617		45970-2717		45970-2917	
		30	1.696	45970-3117		45970-3217		45970-3317		45970-3417		45970-3517		45970-3617		45970-3717		45970-3917	
		40	2.196	45970-4117		45970-4217		45970-4317		45970-4417		45970-4517		45970-4617		45970-4717		45970-4917	
		50	2.696	45970-5117		45970-5217		45970-5317		45970-5417		45970-5517		45970-5617		45970-5717		45970-5917	
		15	0.946	45970-6117		45970-6217		45970-6317		45970-6417		45970-6517		45970-6617		45970-6717		45970-6917	
		25	1.446	45970-7117		45970-7217		45970-7317		45970-7417		45970-7517		45970-7617		45970-7717		45970-7917	
		35	1.946	45970-8117		45970-8217		45970-8317		45970-8417		45970-8517		45970-8617		45970-8717		45970-8917	
45	2.446	45970-9117		45970-9217		45970-9317		45970-9417		45970-9517		45970-9617		45970-9717		45970-9917			
B		NOTES: 1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS ROWS: 10 SOLDER CHARGE: TIN / LEAD, 63/Pb 37 PACKAGING: TRAYS AND TAPE AND REEL																	
		SEE SHEET 1 EC NO: UCP2012-3461 DRWN: TREGOR I 2012/04/20 CHKD: JCOMERC I APPR: JCOMERC I 2012/04/20	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE INCH ONLY		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		SEARAY PLUG ASSEMBLY .050 CENTERS						
					mm	INCH	DRAWN BY TREGOR I		DATE 2005/01/27										
				4 PLACES ± --- ± ---			CHECKED BY JCOMERC I		DATE	MOLEX INCORPORATED									
				3 PLACES ± --- ± .010			APPROVED BY JCOMERC I		DATE 2010/03/05										
				2 PLACES ± --- ± .015						DOCUMENT NO. SD-45970-001									
				1 PLACE ± --- ± ---			ANGULAR ± ---°									SHEET NO. 8 OF 10			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					SIZE A	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
		Q	REV																
		tb_frame_A_P_AM_T Rev. E 2006/04/15		5		4		3		2		1							

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B

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TRAY PACK PK-45971-001

TAPE AND REEL PACK PK-45971-002

DIM P:		2.0 MM	3.0 MM	3.5 MM	2.5 MM	4.5 MM	5.0 MM	7.0 MM
DIM R:		.221	.260	.280	.241	.319	.339	.418
POSITION	DIM G	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO
19	1.146	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE
10	0.696	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE
20	1.196	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE
30	1.696	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE
40	2.196	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE
50	2.696	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE
15	0.946	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE
25	1.446	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE
35	1.946	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE
45	2.446	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE	OBSOLETE

DIM P:		2.0 MM	3.0 MM	3.5 MM	2.5 MM	4.5 MM	5.0 MM	7.0 MM
DIM R:		.221	.260	.280	.241	.319	.339	.418
POSITION	DIM G	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO
19	1.146	45970-0125	45970-0225	45970-0325	45970-0425	45970-0525	45970-0625	45970-0725
10	0.696	45970-1125	45970-1225	45970-1325	45970-1425	45970-1525	45970-1625	45970-1725
20	1.196	45970-2125	45970-2225	45970-2325	45970-2425	45970-2525	45970-2625	45970-2725
30	1.696	45970-3125	45970-3225	45970-3325	45970-3425	45970-3525	45970-3625	45970-3725
40	2.196	45970-4125	45970-4225	45970-4325	45970-4425	45970-4525	45970-4625	45970-4725
50	2.696	45970-5125	45970-5225	45970-5325	45970-5425	45970-5525	45970-5625	45970-5725
15	0.946	45970-6125	45970-6225	45970-6325	45970-6425	45970-6525	45970-6625	45970-6725
25	1.446	45970-7125	45970-7225	45970-7325	45970-7425	45970-7525	45970-7625	45970-7725
35	1.946	45970-8125	45970-8225	45970-8325	45970-8425	45970-8525	45970-8625	45970-8725
45	2.446	45970-9125	45970-9225	45970-9325	45970-9425	45970-9525	45970-9625	45970-9725

NOTES:

1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS

ROWS: 12

SOLDER CHARGE: TIN, 95.5/ Ag 3.8/ Cu 0.7

PACKAGING: TRAYS AND TAPE AND REEL

SEE SHEET 1

EC NO: UCP2012-3461

DRWN: TGREGORI

CHKD:

APPR: JCOMERC I

2012/04/20

2012/04/20

DESCRIPTION

REV

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 2005/01/27

CHECKED BY

DATE

JCOMERC I

APPROVED BY

DATE

JCOMERC I 2010/03/05

SIZE

A

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

SCALE

4:1

DESIGN UNITS

INCH

THIRD ANGLE PROJECTION

TITLE

SEARAY PLUG ASSEMBLY .050 CENTERS

MOLEX INCORPORATED

DOCUMENT NO.

SD-45970-001

SHEET NO.

9 OF 10

tb_frame_A_P_AM_T

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		6		5		4		3		2		1					
D	TRAY PACK PK-45971-001	DIM P:		2.0 MM		3.0 MM		3.5 MM		2.5 MM		4.5 MM		5.0 MM		7.0 MM	
		DIM R:		.221		.260		.280		.241		.319		.339		.418	
		POSITION	DIM G	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO	
		19	1.146	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE	
		10	0.696	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE	
		20	1.196	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE	
		30	1.696	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE	
		40	2.196	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE	
		50	2.696	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE	
		15	0.946	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE	
		25	1.446	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE	
		35	1.946	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE	
45	2.446	OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE		OBSOLETE			
C	TAPE AND REEL PACK PK-45971-002	DIM P:		2.0 MM		3.0 MM		3.5 MM		2.5 MM		4.5 MM		5.0 MM		7.0 MM	
		DIM R:		.221		.260		.280		.241		.319		.339		.418	
		POSITION	DIM G	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO	
		19	1.146	45970-0127		45970-0227		45970-0327		45970-0427		45970-0527		45970-0627		45970-0727	
		10	0.696	45970-1127		45970-1227		45970-1327		45970-1427		45970-1527		45970-1627		45970-1727	
		20	1.196	45970-2127		45970-2227		45970-2327		45970-2427		45970-2527		45970-2627		45970-2727	
		30	1.696	45970-3127		45970-3227		45970-3327		45970-3427		45970-3527		45970-3627		45970-3727	
		40	2.196	45970-4127		45970-4227		45970-4327		45970-4427		45970-4527		45970-4627		45970-4727	
		50	2.696	45970-5127		45970-5227		45970-5327		45970-5427		45970-5527		45970-5627		45970-5727	
		15	0.946	45970-6127		45970-6227		45970-6327		45970-6427		45970-6527		45970-6627		45970-6727	
		25	1.446	45970-7127		45970-7227		45970-7327		45970-7427		45970-7527		45970-7627		45970-7727	
		35	1.946	45970-8127		45970-8227		45970-8327		45970-8427		45970-8527		45970-8627		45970-8727	
45	2.446	45970-9127		45970-9227		45970-9327		45970-9427		45970-9527		45970-9627		45970-9727			
B		NOTES: 1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS ROWS: 12 SOLDER CHARGE: TIN / LEAD, 63/Pb 37 PACKAGING: TRAYS AND TAPE AND REEL															
		SEE SHEET 1 EC NO: UCP2012-3461 DRWN: TREGORI 2012/04/20 CHKD: JCOMERCI APPR: JCOMERCI 2012/04/20	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE INCH ONLY		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION						
					mm	INCH	DRAWN BY TREGORI		DATE 2005/01/27	TITLE SEARAY PLUG ASSEMBLY .050 CENTERS							
				4 PLACES	± ---	± ---	CHECKED BY JCOMERCI		DATE								
				3 PLACES	± ---	± .010	APPROVED BY JCOMERCI		DATE 2010/03/05								
				2 PLACES	± ---	± .015	DOCUMENT NO. SD-45970-001		SHEET NO. 10 OF 10								
				1 PLACE	± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
				ANGULAR ± ---°													
tb_frame_A_P_AM_T Rev. E 2006/04/15		5		4		3		2		1							

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