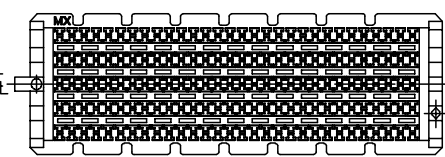
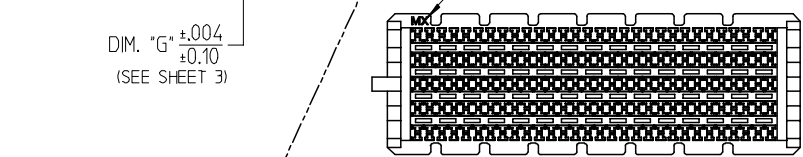
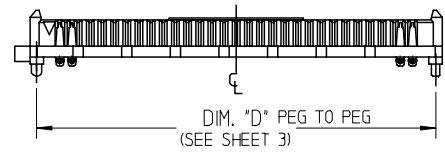
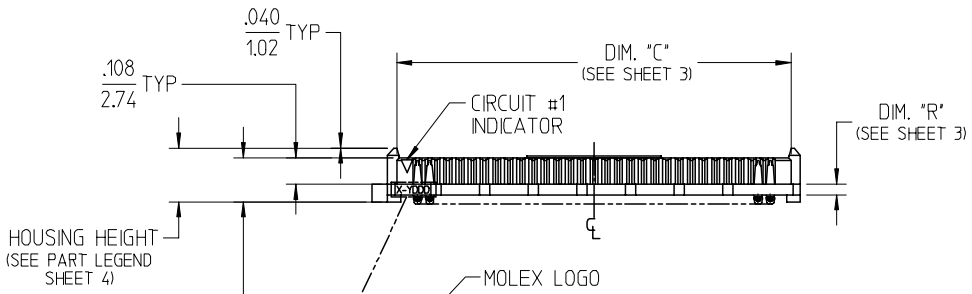
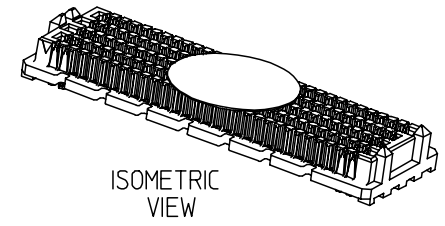


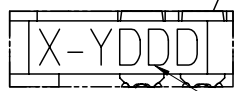
KAPTON PAD, .006 (0.16) THK FOR PICK AND PLACE

- NOTES:
1. ALL DIMENSIONS FOR REFERENCE ONLY UNLESS OTHERWISE SPECIFIED.
 2. ALL CONTACTS NOT SHOWN FOR CLARITY.
 3. MATERIAL:
HOUSING - HIGH TEMPERATURE THERMOPLASTIC, COLOR: BLACK
TERMINAL - COPPER ALLOY
 4. FINISHES:
TERMINAL - OVERALL NICKEL
SELECTIVE GOLD OVER NICKEL IN CONTACT AREA
 5. PRODUCT SPECIFICATION: PS-45970-001
 6. APPLICATION SPECIFICATION: AS-45970-001
 7. DIMENSIONS ABOUT CENTERLINES ARE TO BE SYMMETRIC WITH RESPECT TO THOSE CENTERLINES.
 8. PACKAGING SPECIFICATION: PK-45970-001 & PK-45970-002
 9. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002.



WITHOUT ALIGNMENT PEGS

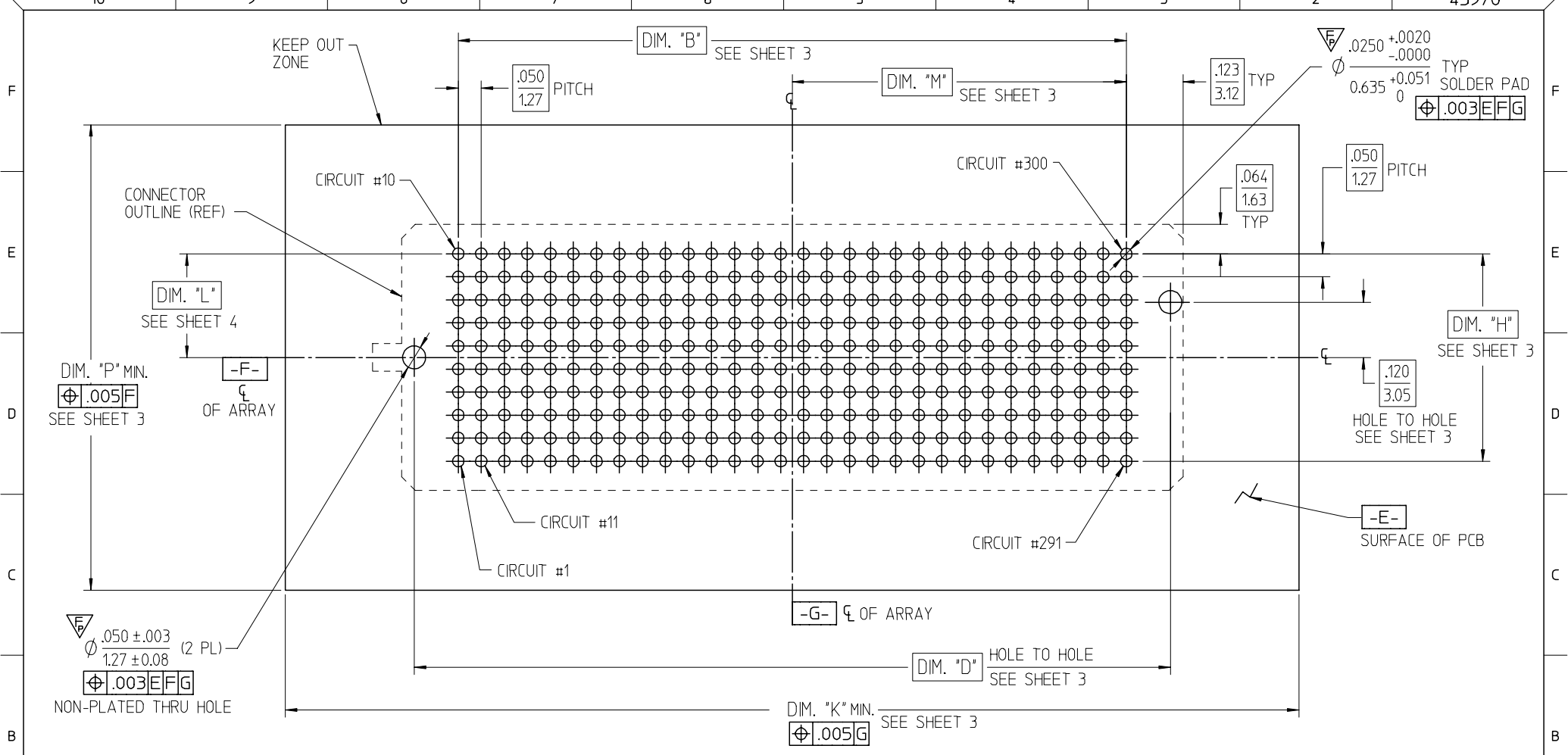
WITH ALIGNMENT PEGS



DETAIL 1
SCALE 10:1

LASER MARKING TO BE LOCATED IN THE APPROXIMATE LOCATION & FORMAT AS SHOWN WHERE WHEN "X" = 1 = LEAD FREE, WHEN "X" = 2 = TIN/LEAD, "Y" = YEAR AND "DDD" = DAY OF YEAR.

EC NO: UCP2007-2921 DRWN: TGREGORI 2007/06/11 CHKD: 2007/06/11 APPR: JCOMERCI 2007/06/18	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 2:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY TGREGORI	DATE 2005/01/27	TITLE SEARAY™ .050 PITCH PLUG ASSEMBLY			
REV	DESCRIPTION	4 PLACES	± ---	± ---	CHECKED BY JCOMERCI	DATE	MATERIAL NO. SEE SHEET 4			
		3 PLACES	± ---	± ---	APPROVED BY JCOMERCI	DATE	DOCUMENT NO. SD-45970-001			
		2 PLACES	± ---	± ---	MATERIAL NO. SEE SHEET 4		DOCUMENT NO. SD-45970-001		SHEET NO. 1 OF 4	
		1 PLACE	± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
		ANGULAR	± ---°		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



RECOMMENDED PCB PAD LAYOUT
(VIEWED FROM COMPONENT SIDE)

SOLDER PASTE THICKNESS: .005 (0.127)
SOLDER SCREEN APERTURE SIZE: .035 (0.89)

EC NO: UCP2007-2921	2007/06/11
DRWN: JGREGORI	2007/06/11
CHKD: JGREGORI	2007/06/11
APPR: JCOMERC I	2007/06/18
REV	DESCRIPTION

QUALITY SYMBOLS
$\nabla F=2$
$\nabla F=0$

GENERAL TOLERANCES (UNLESS SPECIFIED)	
	INCH
4 PLACES	$\pm .005$
3 PLACES	$\pm .004$
2 PLACES	$\pm .003$
1 PLACE	$\pm .002$
ANGULAR $\pm .005$	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE	
IN/MM	
DRAWN BY	DATE
TGREGORI	2005/01/27
CHECKED BY	DATE
JCOMERC I	
APPROVED BY	DATE
JCOMERC I	
MATERIAL NO.	DOCUMENT NO.
SEE SHEET 4	SD-45970-001
SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
5:1	INCH	\odot \triangleleft
TITLE		
SEARAY™ .050 PITCH PLUG ASSEMBLY		
MOLEX INCORPORATED		
DOCUMENT NO.		SHEET NO.
SD-45970-001		2 OF 4

	10	9	8	7	6	5	4	3	2	1	49970			
	NUMBER OF POSITIONS	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	DIM. "E" (12 ROW)	DIM. "E" (10 ROW)	DIM. "E" (8 ROW)	DIM. "E" (6 ROW)	DIM. "K"	DIM. "M"	HOUSING HEIGHT OPTION	DIM. "G"	DIM. "R"
F	10	$\frac{.696}{17.68}$	$\frac{.450}{11.43}$	$\frac{.622}{15.80}$	$\frac{.641}{16.28}$	$\frac{.033}{.838}$	$\frac{.072}{1.83}$	$\frac{.132}{3.35}$	N/A	$\frac{1.20}{30.5}$	$\frac{.225}{5.72}$	1	$\frac{.181}{4.60}$	$\frac{.044}{1.12}$
	19	$\frac{1.146}{29.11}$	$\frac{.900}{22.86}$	$\frac{1.072}{27.23}$	$\frac{1.091}{27.71}$	N/A	N/A	N/A	$\frac{.396}{10.05}$	$\frac{1.65}{41.9}$	$\frac{.450}{11.43}$	2	$\frac{.220}{5.59}$	
	20	$\frac{1.196}{30.38}$	$\frac{.950}{24.13}$	$\frac{1.122}{28.50}$	$\frac{1.141}{28.98}$	$\frac{.283}{7.19}$	$\frac{.322}{8.18}$	$\frac{.382}{9.70}$	N/A	$\frac{1.70}{43.2}$	$\frac{.475}{12.07}$	3	$\frac{.240}{6.10}$	
E	30	$\frac{1.696}{43.08}$	$\frac{1.450}{36.83}$	$\frac{1.622}{41.20}$	$\frac{1.641}{41.68}$	$\frac{.533}{13.54}$	$\frac{.572}{14.53}$	$\frac{.632}{16.05}$	N/A	$\frac{2.20}{55.9}$	$\frac{.725}{18.42}$	4	$\frac{.201}{5.11}$	$\frac{.103}{2.62}$
	40	$\frac{2.196}{55.78}$	$\frac{1.950}{49.53}$	$\frac{2.122}{53.90}$	$\frac{2.141}{54.38}$	$\frac{.783}{19.89}$	$\frac{.822}{20.88}$	$\frac{.882}{22.40}$	N/A	$\frac{2.70}{68.6}$	$\frac{.975}{24.77}$	5	$\frac{.279}{7.09}$	
D	44	$\frac{2.396}{60.86}$	$\frac{2.150}{54.61}$	$\frac{2.322}{58.98}$	$\frac{2.341}{59.46}$	$\frac{.883}{22.43}$	$\frac{.922}{23.42}$	$\frac{.982}{24.94}$	N/A	$\frac{2.90}{73.66}$	$\frac{1.075}{27.31}$	6	$\frac{.299}{7.59}$	
C	50	$\frac{2.696}{68.48}$	$\frac{2.450}{62.23}$	$\frac{2.622}{66.60}$	$\frac{2.641}{67.08}$	$\frac{1.033}{26.24}$	$\frac{1.072}{27.23}$	$\frac{1.132}{28.75}$	N/A	$\frac{3.20}{81.3}$	$\frac{1.225}{31.12}$			

NUMBER OF ROWS	DIM. "F"	DIM. "H"	DIM. "L"	DIM. "P"	DIM. "S"	DIM. "T"
6	$\frac{.354}{9.00}$	$\frac{.250}{6.35}$	$\frac{.125}{3.18}$	$\frac{.81}{20.6}$	$\frac{.378}{9.60}$	$\frac{.252}{6.40}$
8	$\frac{.433}{11.00}$	$\frac{.350}{8.89}$	$\frac{.175}{4.45}$	$\frac{.91}{23.1}$	$\frac{.478}{12.14}$	$\frac{.352}{8.94}$
10	$\frac{.551}{14.00}$	$\frac{.450}{11.43}$	$\frac{.225}{5.72}$	$\frac{1.01}{25.7}$	$\frac{.578}{14.68}$	$\frac{.452}{11.48}$
12	$\frac{.630}{16.00}$	$\frac{.550}{13.97}$	$\frac{.275}{6.99}$	$\frac{1.11}{28.2}$	$\frac{.678}{17.22}$	$\frac{.552}{14.02}$

EC NO: UCP2007-2921 DRAWN: JGREGORI 2007/06/11 CHKD: 2007/06/11 APPR: JCOMERCI 2007/06/18 REV: H	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 2:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
		mm	INCH	DRAWN BY T.GREGORI	DATE 2005/01/27	TITLE SEARAY™ .050 PITCH PLUG ASSEMBLY		
		4 PLACES ± ---	± ---	CHECKED BY JCOMERCI	DATE	MOLEX INCORPORATED		
		3 PLACES ± ---	± ---	APPROVED BY JCOMERCI	DATE	MATERIAL NO. SEE SHEET 4	DOCUMENT NO. SD-45970-001	SHEET NO. 3 OF 4
		2 PLACES ± ---	± ---	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		

**TOOLED
PART NUMBERS**

F	45970-2310
	45970-2311
	45970-2312
	45970-2313
	45970-3180
	45970-3181
E	45970-3182
	45970-3183
	45970-3380
	45970-3381
	45970-3382
	45970-3383
	45970-3210
	45970-3211
D	45970-3212
	45970-3213
	45970-4310
	45970-4311
	45970-4312
	45970-4313
	45970-9160
C	45970-9161
	45970-9162
	45970-9163
	45970-9360
	45970-9361
	45970-9362
	45970-9363

FINISHED PART LEGEND

45970 - * * * *

PART SERIES

NUMBER OF POSITIONS

- '9' = 19 PER ROW
- ** '1' = 10 PER ROW
- '2' = 20 PER ROW
- '3' = 30 PER ROW
- '4' = 40 PER ROW
- ** '5' = 50 PER ROW
- ** '6' = 44 PER ROW

SYSTEM STACK HEIGHT (mm)						
RECEPTACLE HEIGHT OPTION (45971)	PLUG HEIGHT OPTION (45970)					
	1	2	3	4	5	6
1	7.0	8.0	8.5	7.5	9.5	10.0
2	8.0	9.0	9.5	8.5	10.5	11.0
3	8.5	9.5	10.0	9.0	11.0	11.5
4	9.5	10.5	11.0	10.0	12.0	12.5
5	10.0	11.0	11.5	10.5	12.5	13.0

HOUSING HEIGHT

- *1' = .221 (5.61)
- *2' = .260 (6.60)
- *3' = .280 (7.11)
- ** '4' = .241 (6.12)
- ** '5' = .319 (8.10)
- ** '6' = .339 (8.61)

PEG OPTION; SOLDER TYPE; PACK TYPE

- '0' = WITHOUT PEG; LEAD FREE; TRAY
- '1' = WITH PEG; LEAD FREE; TRAY
- '2' = WITHOUT PEG; TIN-LEAD; TRAY
- '3' = WITH PEG; TIN-LEAD; TRAY
- '4' = WITHOUT PEG; LEAD FREE; TAPE & REEL
- '5' = WITH PEG; LEAD FREE; TAPE & REEL
- '6' = WITHOUT PEG; TIN-LEAD; TAPE & REEL
- '7' = WITH PEG; TIN-LEAD; TAPE & REEL

NUMBER OF ROWS

- '1' = 10 ROWS
- '8' = 8 ROWS
- '6' = 6 ROWS
- ** '2' = 12 ROWS

**** NOT TOOLED**
(SEE TABLE AT LEFT FOR LIST
OF TOOL PART NUMBERS)

EC NO: UCP2007-2921 DRWN: JGREGORI 2007/06/11 CHKD: 2007/06/11 APPR: JCOMERCI 2007/06/18 H REV	QUALITY SYMBOLS DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 2:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	DRAWN BY JGREGORI	DATE 2005/01/27	TITLE SEARAY™ .050 PITCH PLUG ASSEMBLY			
		2 PLACES ± --- ± ---	1 PLACE ± --- ± ---	CHECKED BY JCOMERCI	DATE	MOLEX INCORPORATED			
		ANGULAR ± ---°		APPROVED BY JCOMERCI	DATE	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-45970-001	SHEET NO. 4 OF 4	
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				