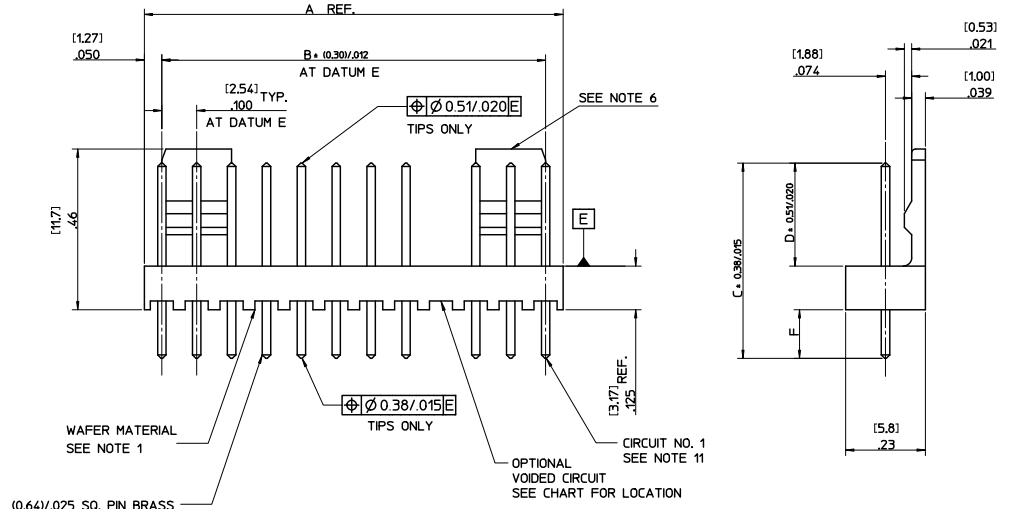
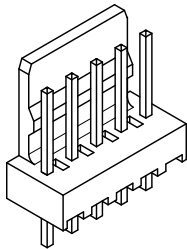
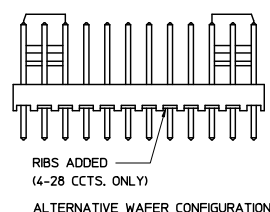


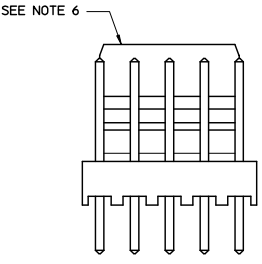
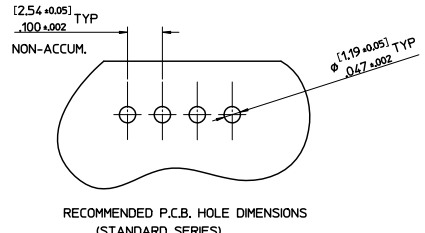
NO. OF CCTS	DIMN. 'A'	DIMN. 'B'
2	( 5.08 ) .200	( 2.54 ) .100
3	( 7.62 ) .300	( 5.08 ) .200
4	(10.16 ) .400	( 7.62 ) .300
5	(12.70 ) .500	(10.16 ) .400
6	(15.24 ) .600	(12.70 ) .500
7	(17.78 ) .700	(15.24 ) .600
8	(20.32 ) .800	(17.78 ) .700
9	(22.86 ) .900	(20.32 ) .800
10	(25.40 ) 1.000	(22.86 ) .900
11	(27.94 ) 1.100	(25.40 ) 1.000
12	(30.48 ) 1.200	(27.94 ) 1.100
13	(33.02 ) 1.300	(30.48 ) 1.200
14	(35.56 ) 1.400	(33.02 ) 1.300
15	(38.10 ) 1.500	(35.56 ) 1.400
16	(40.64 ) 1.600	(38.10 ) 1.500
17	(43.18 ) 1.700	(40.64 ) 1.600
18	(45.72 ) 1.800	(43.18 ) 1.700
19	(48.26 ) 1.900	(45.72 ) 1.800
20	(50.80 ) 2.000	(48.26 ) 1.900
21	(53.34 ) 2.100	(50.80 ) 2.000
22	(55.88 ) 2.200	(53.34 ) 2.100
23	(58.42 ) 2.300	(55.88 ) 2.200
24	(60.96 ) 2.400	(58.42 ) 2.300
25	(63.50 ) 2.500	(60.96 ) 2.400
26	(66.04 ) 2.600	(63.50 ) 2.500
27	(68.58 ) 2.700	(66.04 ) 2.600
28	(71.12 ) 2.800	(68.58 ) 2.700



AE-6410- N \* (\* ) - \*  
 NO. OF CCTS  
 WAVER ASSY. OPTION  
 VOIDED CIRCUIT CODE NO. CORRESPONDS TO CIRCUIT NO. VOIDED. MULTIPLE VOIDS START WITH 51  
 PLATING TYPE  
 BLANK = NONE



- NOTES:
1. WAFER MATERIAL: NYLON. UL94V-0. PIN MATERIAL: BRASS
  2. FINISH:  
 102 = OVERALL TIN: 0.00508/0.00200 MIN. OVER 0.00254/0.00100 MIN. COPPER  
 154 = OVERALL TIN: 0.00254/0.0100 MIN. OVER 0.00127/0.00050 MIN. NICKEL  
 501 = OVERALL GOLD: 0.00051/0.00020 MIN. OVER 0.00076/0.00030 MIN. NICKEL  
 503 = OVERALL GOLD: 0.00076/0.00030 MIN. OVER 0.00127/0.00050 MIN. NICKEL  
 509 = OVERALL GOLD: 0.00127/0.00050 MIN. OVER 0.00076/0.00030 MIN. NICKEL  
 516 = OVERALL GOLD: 0.00025/0.00010 MIN. OVER 0.00076/0.00030 MIN. NICKEL
  3. THIS PART CONFORMS TO MOLEX PROD. SPEC. PS-99020-0088.
  4. PACKAGING: PER PK-6373-001
  5. PIN SOLDERABILITY PER MOLEX SPEC. SMES-152
  6. SINGLE RAMP ON 2-6 CCTS TWO RAMP ON 7-28 CCTS. AS SHOWN.
  7. PIN PUSH OUT FORCE: (0.907 Kg)/2lbs MIN.
  8. PCB THICKNESS 1.6MM
  9. WAFERS STACKABLE END TO END WITH (2.54)/.100 BETWEEN END PINS
  10. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
  11. CIRCUIT 1 DESIGNATION IS USED TO DEFINE VOID LOCATION. CIRCUIT 1 MAY OR MAY NOT LINE UP WITH CIRCUIT 1 ON THE MATING HOUSING.



ADD/REVISE NOTES	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
		mm	INCH	MM/IN	MM/IN			
DEC. NO. UCP-2010-2318 2010/07/06		4 PLACES ± --- ± ---	± ---	MM/IN	DATE	5:1	METRIC	
DRW:WHLIPPER 2010/07/07		3 PLACES ± --- ± .010	± .010	T. MAHON	28/01/03			
CHKD:SSOUSEK 2010/07/07		2 PLACES ± 0.25 ± .014	± .014	B MAGUIRE	28/01/03			
APPR:ESMITH 2010/07/07		1 PLACE ± 0.35 ± ---	± ---	APPROVED BY	DATE			
		ANGULAR ± 5 °	± ---	JDENNEHY	2005/03/11			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		DOCUMENT NO. SDAE-6410-N		SHEET NO. 1 OF 4
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



ENG. NO.	AE-6410-NA ( 501 )	AE-6410-NA ( 516 )	AE-6410-NK ( 516 )	AE-6410-NC ( 501 )	AE-6410-NA ( 509 )	AE-6410-NS ( 501 )	AE-6410-NA ( 503 )							
DIMN. "D"	( 7.50 ±0.25 ) 295 ±0.00	( 7.50 ±0.25 ) 295 ±0.00	( 9.22 ) .363 REF	( 7.14 ±0.25 ) .281 ±0.00	( 7.50 ±0.25 ) 295 ±0.00	( 7.50 ±0.25 ) 295 ±0.00	( 7.50 ±0.25 ) 295 ±0.00							
DIMN. "C"	( 14.22 ) / .560	( 14.22 ) / .560	( 15.88 ) / .625	( 20.32 ) / .800	( 14.22 ) / .560	( 16.51 ) / .649	( 14.22 ) / .560							
DIMN. "F"	( 3.56 ) / .140 REF	( 3.56 ) / .140 REF	( 3.48 ±0.25 ) .137 ±0.00	( 10.00 ) / .394 REF	( 3.56 ) / .140 REF	( 5.84 ) / .230 REF	( 3.56 ) / .140 REF							
PLATING	501	516	516	501	509	501	503							
2	AE-6410-24A509	22-29-2021	AE-6410-24A516	22-29-2022	AE-6410-24A509	38-00-0932	AE-6410-24A509	NOT TOOLED	AE-6410-24A509	38-00-7250	NOT TOOLED	AE-6410-24A509	38-00-7062	
3	3 A(501)	2031	3 A(516)	2032	3 K(516)	0933	3 C(501)	38-00-5909	3 A(509)	NOT TOOLED	3 A(503)	7063		
4	4 A(501)	2041	4 A(516)	2042	4 K(516)	0934	4 C(501)	NOT TOOLED	4 A(509)	38-00-7251	AE-6410-24A509	38-00-7666	4 A	7064
5	5 A(501)	2051	5 A(516)	2052	5 K(516)	0935	5 C(501)	↑	5 A(509)	NOT TOOLED	NOT TOOLED	5 A	7065	
6	6 A(501)	2061	6 A(516)	2062	6 K(516)	0936	6 C(501)	↑	6 A(509)	↑	6 S(501)	38-00-7667	6 A	7066
7	7 A(501)	2071	7 A(516)	2072	7 K(516)	0937	7 C(501)	↑	7 A(509)	↑	NOT TOOLED	7 A	7067	
8	8 A(501)	2081	8 A(516)	2082	8 K(516)	0938	8 C(501)	↑	8 A(509)	↑	↑	8 A	38-00-7068	
9	9 A(501)	2091	9 A(516)	2092	9 K(516)	0939	9 C(501)	↑	9 A(509)	↑	↑	9 A	NOT TOOLED	
10	10 A(501)	2101	10 A(516)	2102	10 K(516)	0940	10 C(501)	↑	10 A(509)	↑	↑	10 A	NOT TOOLED	
11	11 A(501)	2111	11 A(516)	2112	11 K(516)	0941	11 C(501)	↑	11 A(509)	↑	↑	11 A	NOT TOOLED	
12	12 A(501)	2121	12 A(516)	2122	12 K(516)	0942	12 C(501)	↑	12 A(509)	↑	↑	12 A	38-00-7072	
13	13 A(501)	2131	13 A(516)	2132	13 K(516)	0943	13 C(501)	↑	13 A(509)	↑	↑	13 A	NOT TOOLED	
14	14 A(501)	2141	14 A(516)	2142	14 K(516)	0944	14 C(501)	↑	14 A(509)	↑	↑	14 A	38-00-7074	
15	15 A(501)	2151	15 A(516)	2152	15 K(516)	0945	15 C(501)	↑	15 A(509)	↑	↑	15 A	NOT TOOLED	
16	16 A(501)	2161	16 A(516)	2162	16 K(516)	0946	16 C(501)	↑	16 A(509)	↑	↑	16 A	↑	
17	17 A(501)	2171	17 A(516)	2172	17 K(516)	0947	17 C(501)	↑	17 A(509)	↑	↑	17 A	↑	
18	18 A(501)	2181	18 A(516)	2182	18 K(516)	0948	18 C(501)	↑	18 A(509)	↑	↑	18 A	↑	
19	19 A(501)	2191	19 A(516)	2192	19 K(516)	0949	19 C(501)	↑	19 A(509)	↑	↑	19 A	NOT TOOLED	
20	20 A(501)	2201	20 A(516)	2202	20 K(516)	0950	20 C(501)	↑	20 A(509)	↑	↑	20 A	38-00-7080	
21	21 A(501)	2211	21 A(516)	2212	21 K(516)	0951	21 C(501)	↑	21 A(509)	↑	↑	21 A	NOT TOOLED	
22	22 A(501)	2221	22 A(516)	2222	22 K(516)	0952	22 C(501)	↑	22 A(509)	↑	↑	22 A	NOT TOOLED	
23	23 A(501)	2231	23 A(516)	2232	23 K(516)	0953	23 C(501)	↑	23 A(509)	↑	↑	23 A	NOT TOOLED	
24	24 A(501)	2241	24 A(516)	2242	24 K(516)	0954	24 C(501)	↑	24 A(509)	↑	↑	24 A	38-00-0441	
25	25 A(501)	2251	25 A(516)	2252	25 K(516)	0955	25 C(501)	↑	25 A(509)	↑	↑	25 A	NOT TOOLED	
26	26 A(501)	2261	26 A(516)	2262	26 K(516)	0956	26 C(501)	↑	26 A(509)	↑	↑	26 A	↑	
27	27 A(501)	2271	27 A(516)	2272	27 K(516)	0957	27 C(501)	↑	27 A(509)	↑	↑	27 A(503)	↑	
28	AE-6410-24A509	22-29-2281	AE-6410-24A516	22-29-2282	AE-6410-24A516	38-00-0958	AE-6410-24A509	NOT TOOLED	AE-6410-24A509	NOT TOOLED	NOT TOOLED	AE-6410-24A509	NOT TOOLED	

NO. OF CIRCUITS

<b>REMOVE PLATING DIM</b> IEC NO: UCP 2010-2318 DRAWN BY: DRWANKI PIPER CHKD: SSOUSEK APPR: SMITH DATE: 2010/07/06 DATE: 2010/07/07 DATE: 2010/07/07	<b>QUALITY SYMBOLS</b> 	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b>		<b>DIMENSION STYLE</b> MM/IN		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .014 1 PLACE ± 0.35 ± --- ANGULAR ± .5 °		DRAWN BY: T. MAHON DATE: 28/01/03		CHECKED BY: BMAGUIRE DATE: 28/01/03		TITLE <b>WAFER, FRICTION LOCK          KK (2.54)/.100 FOR          (0.64)/.025 SQ. PINS</b>		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY: J DENNEHY DATE: 2005/03/11		MATERIAL NO. <b>SEE CHART</b>		DOCUMENT NO. <b>SDAE-6410-N</b>		SHEET NO. 3 OF 4
		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

### VOIDED CIRCUIT OPTION

PART No.	ENG No.	CKT SIZE	VOID LOCATION	DIM D	DIM F (REF)	PLATING
38-00-7222	AE-6410-3A(102)-2	3	2	(7.50)/.295	(3.56)/.140	102
38-00-4749	-4A(102)-3	4	3	(7.50)/.295	(3.56)/.140	102
38-00-0611	-5A(102)-3	5	3	(7.50)/.295	(3.56)/.140	102
38-00-0089	-6A(102)-3	6	3	(7.50)/.295	(3.56)/.140	102
38-00-0090	-6A(102)-51	6	3,4,5	(7.50)/.295	(3.56)/.140	102
38-00-5370	-15A(102)-02	15	2	(7.50)/.295	(3.56)/.140	102
38-00-5371	-19A(102)-12	19	12	(7.50)/.295	(3.56)/.140	102
38-00-7688	-12A(102)-09	12	9	(7.50)/.295	(3.56)/.140	102

CORRECT ENG. NO. DEC NO: UCP2010-2318 DRWN: MIPPER 2010/07/06 CHYKSSOUSEK 2010/07/07 APPR: F SMITH 2010/07/07 BB1	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± .005</td> <td>± .0004</td> </tr> <tr> <td>3 PLACES</td> <td>± .010</td> <td>± .0008</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.25</td> <td>± .010</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.35</td> <td>± .014</td> </tr> <tr> <td colspan="3" style="text-align: center;">ANGULAR ± .5 °</td> </tr> </table>		mm	INCH	4 PLACES	± .005	± .0004	3 PLACES	± .010	± .0008	2 PLACES	± 0.25	± .010	1 PLACE	± 0.35	± .014	ANGULAR ± .5 °			DIMENSION STYLE MM/IN	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		mm	INCH																					
	4 PLACES	± .005	± .0004																					
	3 PLACES	± .010	± .0008																					
2 PLACES	± 0.25	± .010																						
1 PLACE	± 0.35	± .014																						
ANGULAR ± .5 °																								
		DRAWN BY: T. MAHON DATE: 28/01/03	TITLE: WAFER, FRICTION LOCK KK (2.54)/.100 FOR (0.64)/.025 SQ. PINS																					
		CHECKED BY: BMAGUIRE DATE: 28/01/03	MOLEX INCORPORATED																					
		APPROVED BY: J DENNEHY DATE: 2005/03/11	MATERIAL NO. SEE TABLE	DOCUMENT NO. SDAE-6410-N	SHEET NO. 4 OF 4																			

9 8 7 6 5 4 3 2 1