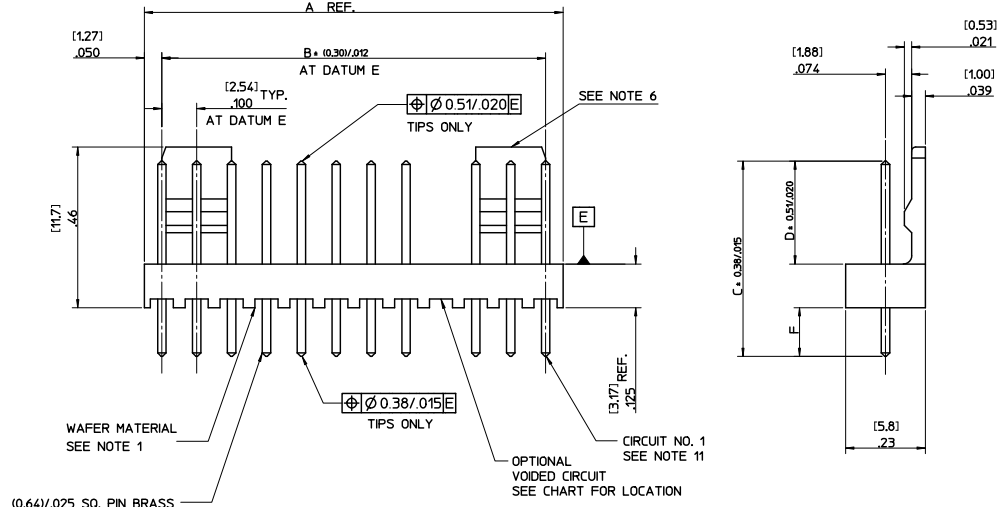
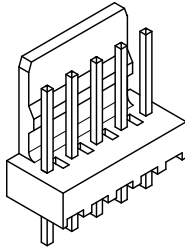


NO. OF CCTS	DIMN. 'A'	DIMN. 'B'
2	( 5.08 ) .200	( 2.54 ) .100
3	( 7.62 ) .300	( 5.08 ) .200
4	(10.16 ) .400	( 7.62 ) .300
5	(12.70 ) .500	(10.16 ) .400
6	(15.24 ) .600	(12.70 ) .500
7	(17.78 ) .700	(15.24 ) .600
8	(20.32 ) .800	(17.78 ) .700
9	(22.86 ) .900	(20.32 ) .800
10	(25.40 ) 1.000	(22.86 ) .900
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



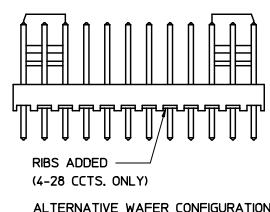
AE-6410- N \* (\* ) - \*

NO. OF CCTS

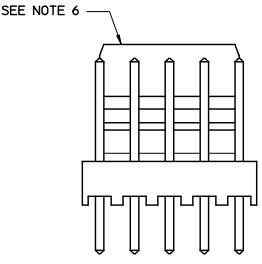
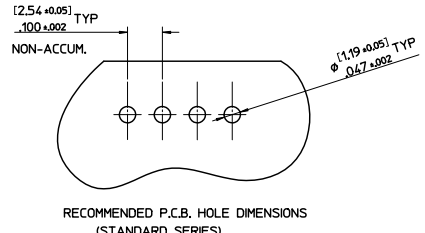
WAFER ASSY. OPTION

VOIDED CIRCUIT CODE NO. CORRESPONDS TO CIRCUIT NO. VOIDED. MULTIPLE VOIDS START WITH 51  
BLANK = NONE

PLATING TYPE



- 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	▽=0	4 PLACES ± --- ± ---		T. MAHON	DATE 28/01/03	5:1	METRIC		
DR/WH/KLIPPER 2010/07/07	▽=0	3 PLACES ± --- ± .010		CHECKED BY	DATE				
CHKD:SSOUSEK 2010/07/07		2 PLACES ± 0.25 ± .014		B MAGUIRE	28/01/03				
APPR:ESMITH 2010/07/07		1 PLACE ± 0.35 ± ---		APPROVED BY	DATE				
		ANGULAR ± 5 °		J DENNEHY	2005/03/11				
				MATERIAL NO.	DOCUMENT NO.				
				SEE CHART	SDAE-6410-N				
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

ENG. NO.	AE-6410-NA (102)	AE-6410-NC (102)	AE-6410-ND (102)	AE-6410-NH (102)	AE-6410-NJ (102)	AE-6410-NL (102)	
DIMN. "D"	( 7.50 ±0.25 ) 295 ±0.0	( 7.14 ±0.25 ) 281 ±0.0	( 8.05 ±0.25 ) 317 ±0.0	( 7.49 ±0.25 ) 295 ±0.0	( 18.80 ±0.30 ) 740 ±0.05	( 8.50 ±0.30 ) 335 ±0.05	
DIMN. "C"	( 14.22 ) / .560	( 20.32 ) / .800	( 14.22 ) / .560	( 14.98 ) / .590	( 25.40 ) / 1.000	( 23.80 ) / .937	
DIMN. "F"	( 3.56 ) / .140 REF	( 10.00 ) / .394 REF	( 2.99 ) / .118 REF	( 4.32 ) / .170 REF	( 3.43 ) / .135 REF	( 12.13 ) / .477 REF	
PLATING	102	102	102	102	102	102	
NO. OF CIRCUITS	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	AE-6410-2A(102) 22-27-2021 3 A(102) 2031 4 A(102) 2041 5 A(102) 2051 6 A(102) 2061 7 A(102) 2071 8 A(102) 2081 9 A(102) 2091 10 A(102) 2101 11 A(102) 2111 12 A(102) 2121 13 A(102) 2131 14 A(102) 2141 15 A(102) 2151 16 A(102) 2161 17 A(102) 2171 18 A(102) 2181 19 A(102) 2191 20 A(102) 2201 21 A(102) 2211 22 A(102) 2221 23 A(102) 2231 24 A(102) 2241 25 A(102) 2251 26 A(102) 2261 27 A(102) 2271 AE-6410-28A(102) 22-27-2281	AE-6410-2C(102) 38-00-6292 3 C(102) 6293 4 C(102) 6294 5 C(102) 6295 6 C(102) 6296 7 C(102) 6297 8 C(102) 6298 9 C(102) 6299 10 C(102) 6300 11 C(102) 6301 12 C(102) 6302 13 C(102) 6303 14 C(102) 6304 15 C(102) 6305 16 C(102) 6306 17 C(102) 6307 18 C(102) 6308 19 C(102) 6309 20 C(102) 38-00-6310 21 C(102) NOT TOOLED 22 C(102) 23 C(102) 24 C(102) 25 C(102) 26 C(102) 27 C(102) AE-6410-28C(102) NOT TOOLED	AE-6410-2D(102) 38-00-5882 3 D(102) 5883 4 D(102) 5884 5 D(102) 5885 6 D(102) 5886 7 D(102) 5887 8 D(102) 5888 9 D(102) 5889 10 D(102) 5890 11 D(102) 5891 12 D(102) 5892 13 D(102) 5893 14 D(102) 5894 15 D(102) 5895 16 D(102) 5896 17 D(102) 5897 18 D(102) 5898 19 D(102) 5899 20 D(102) 5900 21 D(102) 5901 22 D(102) 5902 23 D(102) 5903 24 D(102) 5904 25 D(102) 5905 26 D(102) 5906 27 D(102) 5907 AE-6410-28D(102) 38-00-5908	AE-6410-2H(102) 38-00-6754 3 H(102) NOT TOOLED 4 H(102) 22-27-2046 5 H(102) NOT TOOLED 6 H(102) 7 H(102) 8 H(102) 9 H(102) 10 H(102) 11 H(102) NOT TOOLED 12 H(102) 22-27-2126 13 H(102) NOT TOOLED 14 H(102) 15 H(102) 16 H(102) 17 H(102) 18 H(102) 19 H(102) 20 H(102) 21 H(102) 22 H(102) 23 H(102) 24 H(102) 25 H(102) 26 H(102) 27 H(102) AE-6410-28H(102) NOT TOOLED	AE-6410-2J(102) NOT TOOLED 3 J(102) NOT TOOLED 4 J(102) NOT TOOLED 5 J(102) 22-27-2057 6 J(102) NOT TOOLED 7 J(102) NOT TOOLED 8 J(102) 22-27-2087 9 J(102) NOT TOOLED 10 J(102) 11 J(102) 12 J(102) 13 J(102) 14 J(102) 15 J(102) 16 J(102) 17 J(102) 18 J(102) 19 J(102) 20 J(102) 21 J(102) 22 J(102) 23 J(102) 24 J(102) 25 J(102) 26 J(102) 27 J(102) AE-6410-28J(102) NOT TOOLED	AE-6410-2L(102) NOT TOOLED 3 L(102) 4 L(102) 5 L(102) 6 L(102) 7 L(102) 8 L(102) 9 L(102) 10 L(102) 11 L(102) 12 L(102) 13 L(102) 14 L(102) NOT TOOLED 15 L(102) 38-00-1736 16 L(102) NOT TOOLED 17 L(102) 18 L(102) 19 L(102) 20 L(102) 21 L(102) 22 L(102) 23 L(102) 24 L(102) 25 L(102) 26 L(102) 27 L(102) AE-6410-28L(102) NOT TOOLED

REMOVE PLATING DIM DEC. NO. UCP2010-2318 DRAWN: KIPPER 2010/07/06 CHKD: SSOUSEK 2010/07/07 APPR: FSMITH 2010/07/07 DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla=0$ $\nabla=0$	m/m    INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .014 1 PLACE ± 0.35 ± --- ANGULAR ± 5 °	MM/IN	4:1	METRIC	<input checked="" type="checkbox"/> THIRD ANGLE PROJECTION
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY: T. MAHON CHECKED BY: BMAGUIRE APPROVED BY: JDENNEHY DATE: 28/01/03 DATE: 28/01/03 DATE: 2005/03/11	TITLE	WAFER, FRICTION LOCK KK (2.54)/.100 FOR (0.64)/.025 SQ. PINS	
			MATERIAL NO. SEE CHART	DOCUMENT NO. SDAE-6410-N	MOLEX INCORPORATED SHEET NO. 2 OF 4	

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 ±0.010	( 7.50 ±0.25 ) .295 ±0.010	( 9.22 ) .363 REF	( 7.14 ±0.25 ) .281 ±0.010	( 7.50 ±0.25 ) .295 ±0.010	( 7.50 ±0.25 ) .295 ±0.010	( 7.50 ±0.25 ) .295 ±0.010
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 ±0.010	( 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	AE-6410-24A516	AE-6410-24A516	AE-6410-24A501	AE-6410-24A509	AE-6410-24A501	AE-6410-24A503
3	3 A(501) ↑ 2031	3 A(516) ↑ 2032	3 K(516) ↑ 0933	3 C(501) 38-00-5909	3 A(509) 38-00-7250	NOT TOOLED	3 A(503) 38-00-7062
4	4 A(501) 2041	4 A(516) 2042	4 K(516) 0934	4 C(501) 38-00-5909	4 A(509) 38-00-7251	AE-6410-24A501 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) 38-00-7251	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-6410-28A501	AE-6410-28A516	AE-6410-28A516	38-00-0958	AE-6410-28A509	NOT TOOLED	AE-6410-28A503

NO. OF CIRCUITS

REMOVE PLATING DIM IEC NO: UCP 2010-2318 DRAWN BY: JPPER CHKD: SMOUSEK APPR: SMITH 2010/07/06 2010/07/07 2010/07/07	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM/IN		4:1	METRIC		
				DRAWN BY DATE		CHECKED BY DATE		TITLE	
				T. MAHON 28/01/03		BMAGUIRE 28/01/03		WAFER, FRICTION LOCK KK (2.54)/.100 FOR (0.64)/.025 SQ. PINS	
		APPROVED BY DATE		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
		JDENNEHY 2005/03/11		SEE CHART		SDAE-6410-N		3 OF 4	
		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					

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 DRW:MM/PPR 2010/07/06 CHK:SSOUSEK 2010/07/07 APPR:F.SMITH 2010/07/07 REV 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>± .010</td> <td>± .0004</td> </tr> <tr> <td>3 PLACES</td> <td>± .012</td> <td>± .0005</td> </tr> <tr> <td>2 PLACES</td> <td>± .015</td> <td>± .0006</td> </tr> <tr> <td>1 PLACE</td> <td>± .020</td> <td>± .0008</td> </tr> <tr> <td colspan="3" style="text-align: center;">ANGULAR ± .5 °</td> </tr> </table>		mm	INCH	4 PLACES	± .010	± .0004	3 PLACES	± .012	± .0005	2 PLACES	± .015	± .0006	1 PLACE	± .020	± .0008	ANGULAR ± .5 °			DIMENSION STYLE MM/IN	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		mm	INCH																					
	4 PLACES	± .010	± .0004																					
	3 PLACES	± .012	± .0005																					
2 PLACES	± .015	± .0006																						
1 PLACE	± .020	± .0008																						
ANGULAR ± .5 °																								
		DRAWN BY: T. MAHON DATE: 28/01/03 CHECKED BY: BMAGUIRE DATE: 28/01/03 APPROVED BY: JDENNEHY DATE: 2005/03/11	TITLE WAFER, FRICTION LOCK KK (2.54)/.100 FOR (0.64)/.025 SQ. PINS																					
		MATERIAL NO. SEE TABLE	MOLEX INCORPORATED SDAE-6410-N																					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SHEET NO. 4 OF 4																					

9 8 7 6 5 4 3 2 1