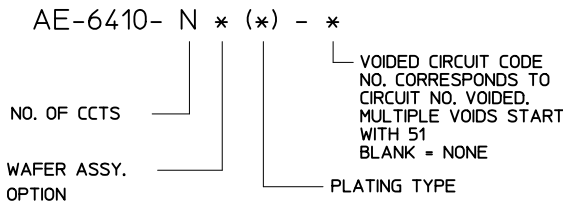
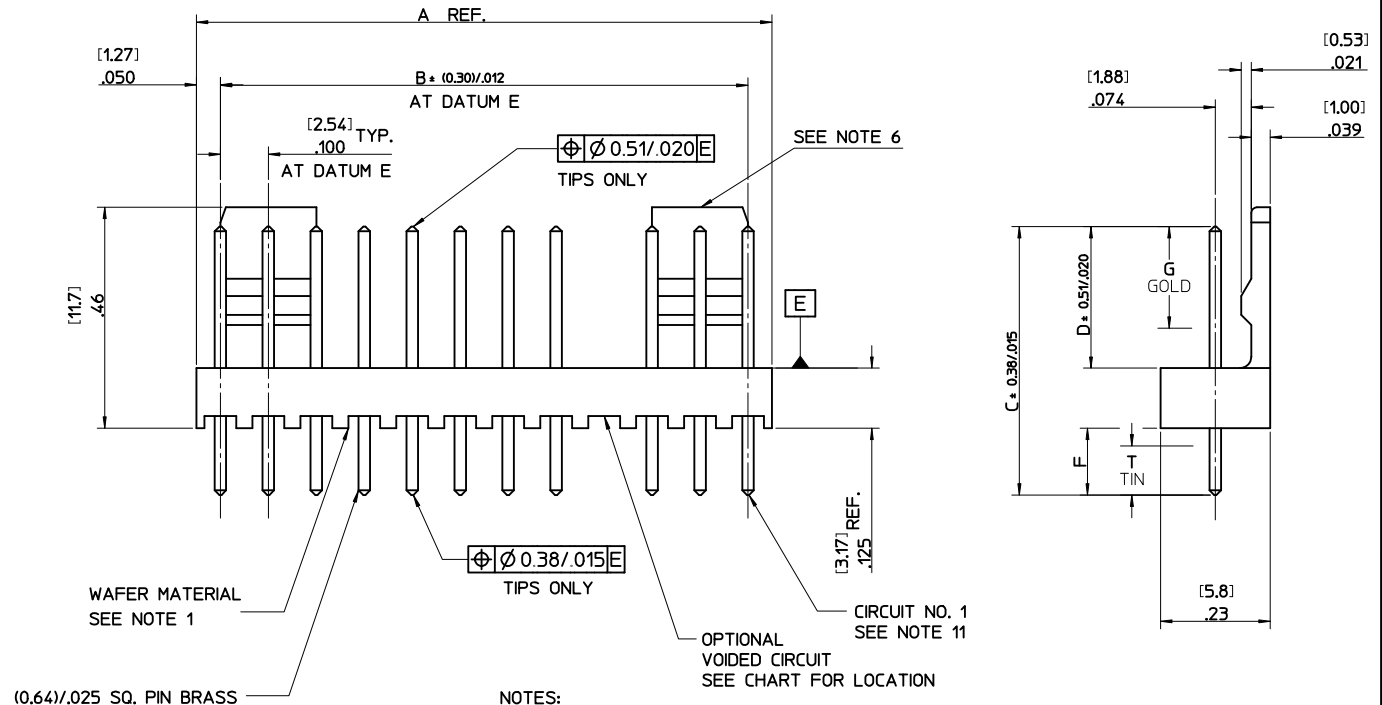
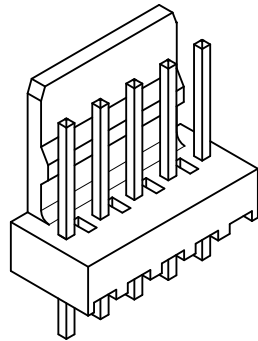
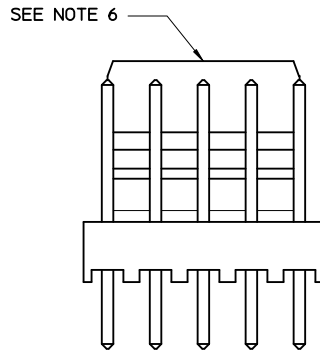
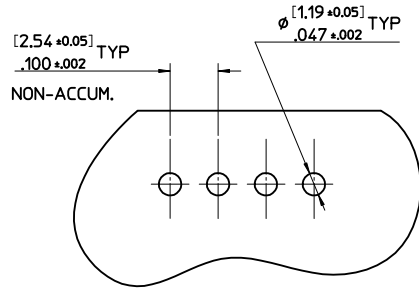


NO. OF CCTS	DIMN. "A"	DIMN. "B"
2	(5.08) .200	(2.54) .100
3	(7.62) .300	(5.08) .200
4	(10.16) .400	(7.62) .300
5	(12.70) .500	(10.16) .400
6	(15.24) .600	(12.70) .500
7	(17.78) .700	(15.24) .600
8	(20.32) .800	(17.78) .700
9	(22.86) .900	(20.32) .800
10	(25.40) 1.000	(22.86) .900
11	(27.94) 1.100	(25.40) 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



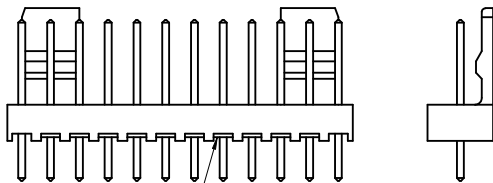
- NOTES:
1. WAFFER MATERIAL: NYLON, UL94V-0. PIN MATERIAL: BRASS
 2. FINISH:
 154 = OVERALL TIN: 0.00254/.00100 MIN. OVER 0.00127/.000050 MIN. NICKEL
 197 = OVERALL REFLOWED MATTE TIN: 0.00152/.00060 MIN. OVER 0.00127/.000050 MIN. NICKEL
 222 = OVERALL MATTE TIN: 0.00254/.00100 MIN. OVER 0.00127/.000050 MIN NICKEL
 228 = SELECT GOLD 0.00076/.000030 MIN., SELECT MATTE TIN: 0.00254/.00100 OVER 0.00127/.000050 MIN NICKEL
 231 = SELECT GOLD 0.00127/.000050 MIN., SELECT MATTE TIN: 0.00254/.00100 OVER 0.00076/.000030 MIN NICKEL
 241 = SELECT GOLD 0.00051/.000020 MIN., SELECT MATTE TIN: 0.00254/.00100 OVER 0.00076/.000030 MIN NICKEL
 3. THIS PART CONFORMS TO MOLEX PROD. SPEC. PS-99020-0088.
 4. PACKAGING: PER PK-6410-002
 5. PIN SOLDERABILITY PER MOLEX SPEC. SMES-152.
 6. SINGLE RAMP ON 2-6 CCTS TWO RAMP ON 7-16 CCTS, AS SHOWN.
 7. PIN PUSH OUT FORCE: (0.907 Kg)/2lbs MIN.
 8. PCB THICKNESS 1.6MM
 9. WAFFERS 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.



RECOMMENDED P.C.B. HOLE DIMENSIONS (STANDARD SERIES)

REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
			mm	INCH	MM/IN	DATE			
BC	CHANGE PLATING EC NO: UCP2012-1821 DRWN:WSTROH 2011/12/22 CHKD:MKIPPER 2012/01/03 APPR:FSMITH 2012/02/02	▽=0 ▽=0 ▽=0	4 PLACES ± --- ± ---	3 PLACES ± --- ± .010	2 PLACES ± 0.25 ± .014	1 PLACE ± 0.35 ± ---	5:1	METRIC	MOLEX INCORPORATED
			ANGULAR ± .5 °		DRAWN BY T. MAHON DATE 28/01/03 CHECKED BY BMAGUIRE DATE 28/01/03 APPROVED BY JDENNEHY DATE 2005/03/11				SDAE-6410-N
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART				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 (222)		AE-6410-NC (197)		AE-6410-NH (197)		AE-6410-NJ (197)		AE-6410-NL (154)		AE-6410-NM (154)		
DIMN. "D"	(7.50) .295		(7.14) .281		(7.49) .295		(18.80) .740		(8.58) .338		(7.62) .300		
DIMN. "C"	(14.22) / .560		(20.32) / .800		(14.98) / .590		(25.40) / 1.000		(23.88) / .940		(20.32) / .800		
DIMN. "F"	(3.56) / .140 REF		(10.00) / .394 REF		(4.32) / .170 REF		(3.43) / .135 REF		(12.13) / .477 REF		(9.53) / .375 REF		
DIMN. "G"	N/A		N/A		N/A		N/A		N/A		N/A		
DIMN. "T"	OVERALL		OVERALL		OVERALL		OVERALL		OVERALL		OVERALL		
PLATING	222		197		197		197		154		154		
NO. OF CIRCUITS	2	AE-6410-2A(222)	22-27-2021	AE-6410-2C(197)	38-00-6292	AE-6410-2H(197)	38-00-6754	AE-6410-2J(197)	NOT TOOLED	AE-6410-2L(154)	NOT TOOLED	AE-6410-2M(154)	NOT TOOLED
	3	3 A(222)	▲ 2031	3 C(197)	▲ 6293	3 H(197)	NOT TOOLED	3 J(102)	NOT TOOLED	3 L(154)	26-01-3195	3 M(154)	26-01-3179
	4	4 A(222)	2041	4 C(197)	6294	4 H(197)	22-27-2046	4 J(102)	NOT TOOLED	4 L(154)	NOT TOOLED	4 M(154)	NOT TOOLED
	5	5 A(222)	2051	5 C(197)	6295	5 H(197)	NOT TOOLED	5 J(102)	22-27-2057	5 L(154)	▲	5 M(154)	▲
	6	6 A(222)	2061	6 C(197)	6296	6 H(197)	▲	6 J(102)	NOT TOOLED	6 L(154)	▲	6 M(154)	▲
	7	7 A(222)	2071	7 C(197)	6297	7 H(197)	▲	7 J(102)	NOT TOOLED	7 L(154)	▲	7 M(154)	▲
	8	8 A(222)	2081	8 C(197)	6298	8 H(197)	▲	8 J(102)	22-27-2087	8 L(154)	▲	8 M(154)	▲
	9	9 A(222)	2091	9 C(197)	6299	9 H(197)	▲	9 J(102)	NOT TOOLED	9 L(154)	▲	9 M(154)	▲
	10	10 A(222)	2101	10 C(197)	6300	10 H(197)	▼	10 J(102)	▲	10 L(154)	▲	10 M(154)	▲
	11	11 A(222)	2111	11 C(197)	6301	11 H(197)	NOT TOOLED	11 J(102)	▲	11 L(154)	▲	11 M(154)	▲
	12	12 A(222)	2121	12 C(197)	6302	12 H(197)	22-27-2126	12 J(102)	▲	12 L(154)	▲	12 M(154)	▲
	13	13 A(222)	2131	13 C(197)	6303	13 H(197)	NOT TOOLED	13 J(102)	▲	13 L(154)	▼	13 M(154)	▲
	14	14 A(222)	2141	14 C(197)	6304	14 H(197)	▲	14 J(102)	▲	14 L(154)	NOT TOOLED	14 M(154)	▲
	15	15 A(222)	2151	15 C(197)	6305	15 H(197)	▼	15 J(102)	▼	15 L(154)	38-00-1736	15 M(154)	▼
	16	AE-6410-16A(222)	22-27-2161	AE-6410-16C(197)	38-00-6306	AE-6410-16H(197)	NOT TOOLED	AE-6410-16J(197)	NOT TOOLED	AE-6410-16L(154)	NOT TOOLED	AE-6410-16M(154)	NOT TOOLED



RIBS ADDED
(4-16 CCTS. ONLY)

ALTERNATIVE WAFER CONFIGURATION

SEE SHEET 1 EC NO: UCP2012-1821 DRWN:WSTROH 2011/12/22 CHKD:HKIPPER 2012/01/03 APPR:FSMITH 2012/02/07	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM/IN	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± ---	DRAWN BY T. MAHON	DATE 28/01/03	TITLE WAFER, FRICTION LOCK KK (2.54)/.100 FOR (0.64)/.025 SQ. PINS	
		3 PLACES ± --- ± .010	CHECKED BY BMAGUIRE	DATE 28/01/03		
		2 PLACES ± 0.25 ± .014	APPROVED BY JDENNEHY	DATE 2005/03/11	MATERIAL NO. DOCUMENT NO.	
1 PLACE ± 0.35 ± ---	ANGULAR ± .5 °	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART	MOLEX INCORPORATED 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 (241)		AE-6410-NC (241)		AE-6410-NA (231)		AE-6410-NS (241)		AE-6410-NA (228)		
DIMN. "D"	(7.50) .295		(7.14) .281		(7.50) .295		(7.50) .295		(7.50) .295		
DIMN. "C"	(14.22) / .560		(20.32) / .800		(14.22) / .560		(16.51) / .650		(14.22) / .560		
DIMN. "F"	(3.56) / .140 REF		(10.00) / .394 REF		(3.56) / .140 REF		(5.84) / .230 REF		(3.56) / .140 REF		
DIMN. "G"	(3.56)/.140		(5.08)/.200		(3.56)/.140		(5.08)/.200		(3.56)/.140		
DIMN. "T"	(3.43)/.135		(5.08)/.200		(3.43)/.135		(5.08)/.200		(3.43)/.135		
PLATING	241		241		231		241		228		
NO. OF CIRCUITS	2	AE-6410-2A(241)	22-29-2021	AE-6410-2C(241)	NOT TOOLED	AE-6410-2A(231)	38-00-7250	NOT TOOLED	AE-6410-2A(228)	38-00-7062	
	3	3 A(241)	↑ 2031	3 C(241)	38-00-5909	3 A(231)	NOT TOOLED	NOT TOOLED	3 A(228)	↑ 7063	
	4	4 A(241)	2041	4 C(241)	NOT TOOLED	4 A(231)	38-00-7251	AE-6410-4S(241)	38-00-7666	4 A	↑ 7064
	5	5 A(241)	2051	5 C(241)	↑	5 A(231)	NOT TOOLED	NOT TOOLED	5 A	7065	
	6	6 A(241)	2061	6 C(241)	↑	6 A(231)	↑	6 S(241)	38-00-7667	6 A	7066
	7	7 A(241)	2071	7 C(241)	↑	7 A(231)	↑	NOT TOOLED	NOT TOOLED	7 A	↓ 7067
	8	8 A(241)	2081	8 C(241)	↑	8 A(231)	↑	↑	8 A	38-00-7068	
	9	9 A(241)	2091	9 C(241)	↑	9 A(231)	↑	↑	9 A	NOT TOOLED	
	10	10 A(241)	2101	10 C(241)	↑	10 A(231)	↑	↑	10 A	NOT TOOLED	
	11	11 A(241)	2111	11 C(241)	↑	11 A(231)	↑	↑	11 A	NOT TOOLED	
	12	12 A(241)	2121	12 C(241)	↑	12 A(231)	↑	↑	12 A	38-00-7072	
	13	13 A(241)	2131	13 C(241)	↑	13 A(231)	↑	↑	13 A	NOT TOOLED	
	14	14 A(241)	2141	14 C(241)	↑	14 A(231)	↑	↑	14 A	38-00-7074	
	15	15 A(241)	2151	15 C(241)	↓	15 A(231)	↓	↓	15 A	NOT TOOLED	
	16	AE-6410-16A(241)	22-29-2161	AE-6410-16C(241)	NOT TOOLED	AE-6410-16A(231)	NOT TOOLED	NOT TOOLED	NOT TOOLED	AE-6410-16A(228)	NOT TOOLED

SEE SHEET 1 EC NO: UCP2012-1821 DRWN:WSTROH 2011/12/22 CHKD:MKIPPER 2012/01/03 APPR:FSMITH 2012/02/02	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	MM/IN	4:1	METRIC	
	▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE		
	▽=0	3 PLACES ± --- ± .010	T. MAHON 28/01/03	WAFER, FRICTION LOCK		
	2 PLACES ± 0.25 ± .014	CHECKED BY DATE	KK (2.54)/.100 FOR			
	1 PLACE ± 0.35 ± ---	BMAGUIRE 28/01/03	(0.64)/.025 SQ. PINS			
	ANGULAR ± .5 °	APPROVED BY DATE	MOLEX MOLEX INCORPORATED			
		JDENNEHY 2005/03/11	SDAE-6410-N			
		MATERIAL NO.	DOCUMENT NO.		SHEET NO.	
		SEE CHART			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			

VOIDED CIRCUIT OPTION

ENG. NO.	AE-6410-NA(197)-*		
DIM. D	7.50/.295		
DIM. C	14.22 /.560		
DIM. F (REF)	3.56 /.140		
DIM. G	N/A		
DIM. T	OVERALL		
PLATING	197		
PART No.	ENG No.	CKT SIZE	VOID LOCATION
38-00-7222	AE-6410-3A(197)-2	3	2
↑ 4749	↑ -4A(197)-3	4	3
0611	-5A(197)-3	5	3
0089	-6A(197)-3	6	3
0090	-6A(197)-51	6	3,4,5
5370	-15A(197)-02	15	2
↓ 7688	↓ -12A(197)-09	12	9

SEE SHEET 1 EC NO: UCP2012-1821 DRW:MMSTROH 2011/12/22 CHKD:HKIPPER 2012/01/03 APPR:FSMITH 2012/02/02	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY T. MAHON	DATE 28/01/03	TITLE WAFER, FRICTION LOCK KK (2.54)/.100 FOR (0.64)/.025 SQ. PINS			
				4 PLACES ± ---	± ---	CHECKED BY BMAGUIRE	DATE 28/01/03				
				3 PLACES ± ---	± .010	APPROVED BY JDENNEHY		DATE 2005/03/11	MOLEX INCORPORATED DOCUMENT NO. SDAE-6410-N		
		2 PLACES ± 0.25	± .014	MATERIAL NO.		SEE CHART	SHEET NO. 4 OF 4				
		1 PLACE ± 0.35	± ---	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					
		ANGULAR ± .5 °		SIZE B							