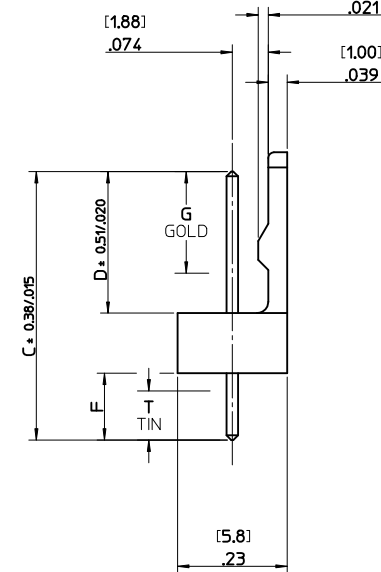
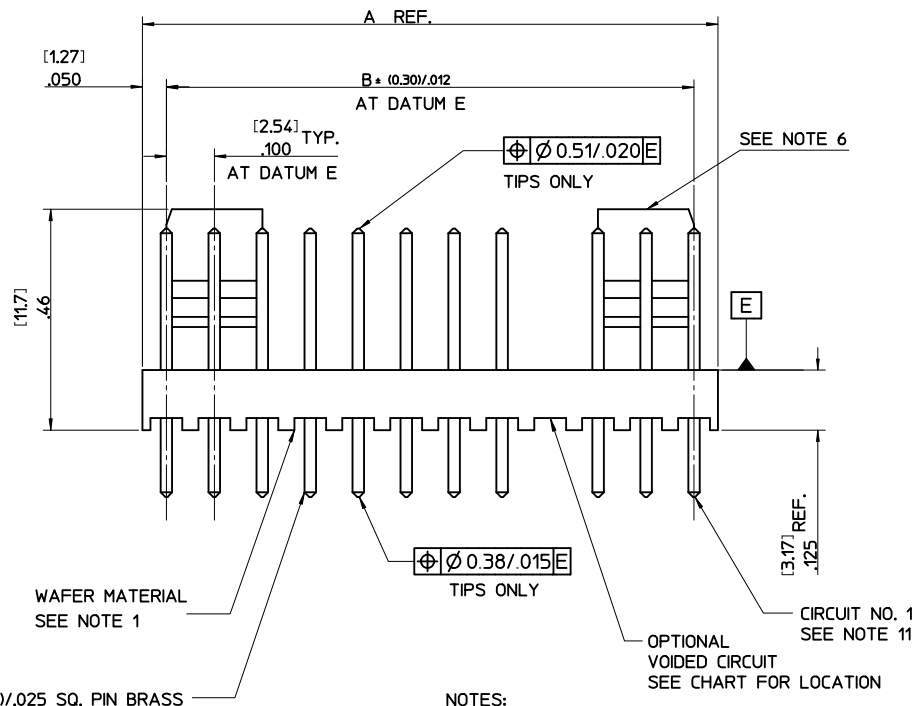
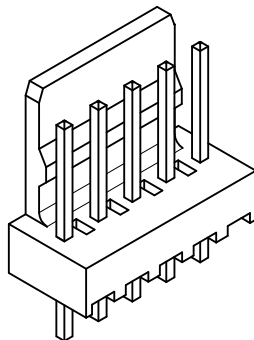


NO. OF CCTS	DIMN. "A"	DIMN. "B"
2	(5.08) .200	(2.54) .100
3	(7.62) .300	(5.08) .200
4	(10.16) .400	(7.62) .300
5	(12.70) .500	(10.16) .400
6	(15.24) .600	(12.70) .500
7	(17.78) .700	(15.24) .600
8	(20.32) .800	(17.78) .700
9	(22.86) .900	(20.32) .800
10	(25.40) 1.000	(22.86) .900
11	(27.94) 1.100	(25.40)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



(0.64)/.025 SQ. PIN BRASS

NOTES:

1. WAFAER 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. 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.

AE-6410- N * (*) - *

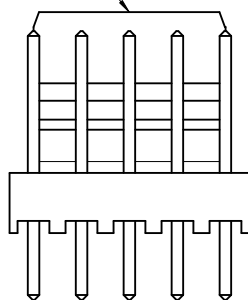
NO. OF CCTS

WAFAER ASSY.
OPTION

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

PLATING TYPE

SEE NOTE 6



[2.54 ± 0.05] TYP
.100 ± .002
NON-ACCUM.

Ø [1.19 ± 0.05]
.047 ± .002 TYP

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

CHANGE PLATING
EC NO: UCP2012-1821
DRWN:WSTROH 2011/12/22
CHKD:MKIPPER 2012/01/03
APPR:FSMITH 2012/02/02

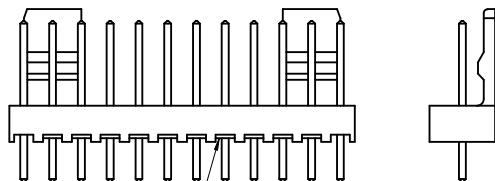
QUALITY SYMBOLS
▽=0
▽=0
▽=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± .010
2 PLACES ± 0.25 ± .014
1 PLACE ± 0.35 ± ---
ANGULAR ± .5 °
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM/IN
DRAWN BY T. MAHON DATE 28/01/03
CHECKED BY BMAGUIRE DATE 28/01/03
APPROVED BY JDENNEHY DATE 2005/03/11
MATERIAL NO.
SEE CHART

SCALE 5:1
DESIGN UNITS METRIC
THIRD ANGLE PROJECTION
WAFAER, FRICTION LOCK
KK (2.54)/.100 FOR
(0.64)/.025 SQ. PINS
MOLEX INCORPORATED
DOCUMENT NO. SDAE-6410-N
SHEET NO. 1 OF 4

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:MS TROH 2011/12/22 CHKD:MKIPPER 2012/01/03 APPR:FSMITH 2012/02/02	REV BC	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION
						MM/IN		4:1	METRIC	
						DRAWN BY DATE		WAFER, FRICTION LOCK KK (2.54)/.100 FOR (0.64)/.025 SQ. PINS		
						T. MAHON 28/01/03				
						CHECKED BY DATE				
						BMAGUIRE 28/01/03				
						APPROVED BY DATE				
		JDENNEHY 2005/03/11		 MOLEX INCORPORATED						
				ANGULAR ± .5 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO. 2 OF 4
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SDAE-6410-N		
						SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

J

I

H

G

F

E

D

C

B

A

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	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	AE-6410-16A(228)	NOT TOOLED

SEE SHEET 1 EC NO: UCP2012-1821 2011/12/22 DRWN:MMSTROH CHKD:MKLIPPER 2012/01/03 APPR:FSMITH 2012/02/02	DESCRIPTION REV	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 J DENNEHY	DATE 2005/03/11	MOLEX INCORPORATED					
			2 PLACES ± 0.25	± .014	MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
			1 PLACE ± 0.35	± ---	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									

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 DRAWN:MMSTROH 2011/12/22 CHKD:MKIPPER 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 ± --- ± ---	3 PLACES ± --- ± .010	CHECKED BY BMAGUIRE	DATE 28/01/03					
		2 PLACES ± 0.25 ± .014	1 PLACE ± 0.35 ± ---	APPROVED BY JDENNEHY	DATE 2005/03/11	MOLEX INCORPORATED				
ANGULAR ± .5 °		MATERIAL NO.		DOCUMENT NO. SDAE-6410-N						SHEET NO. 4 OF 4
BC	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				