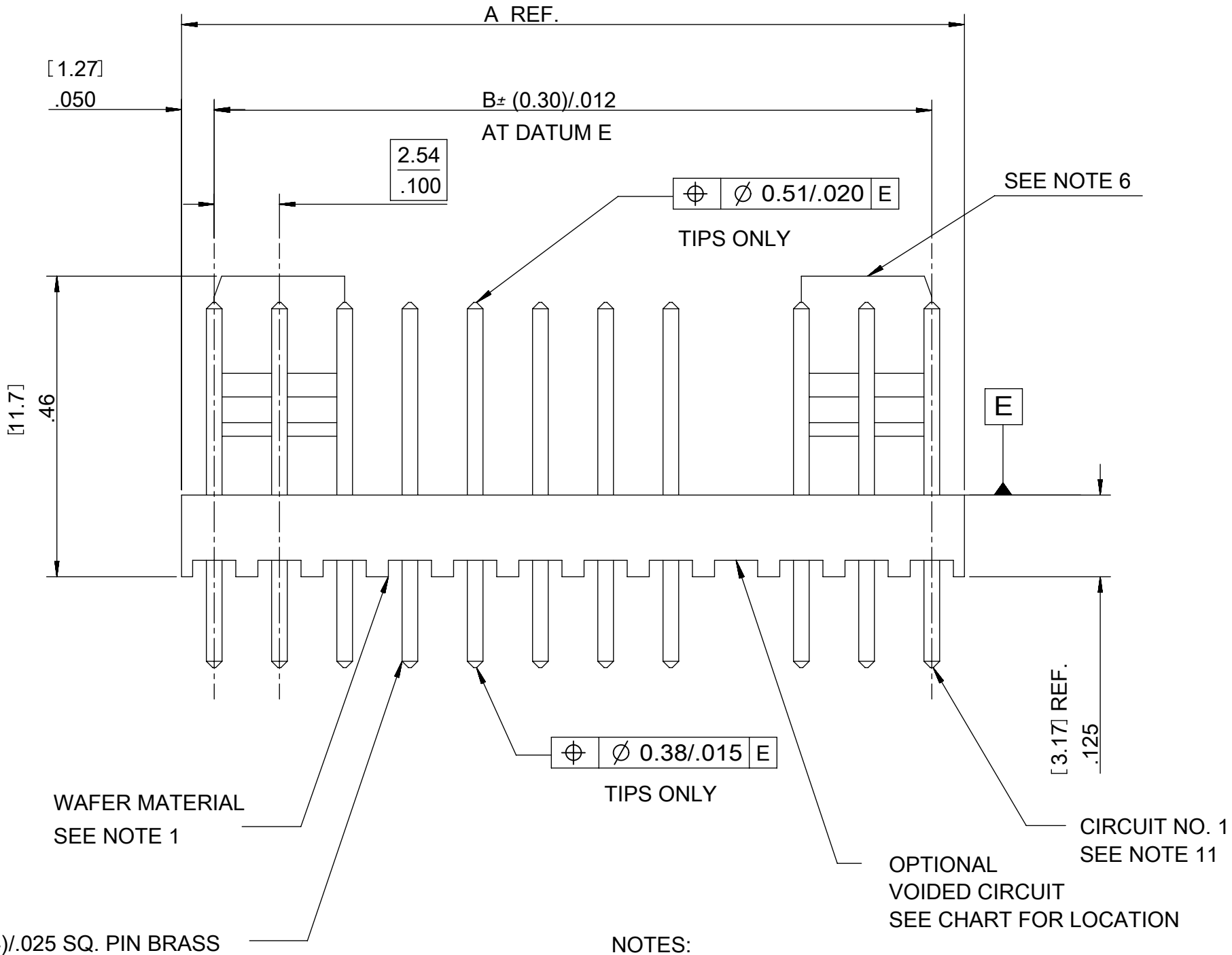
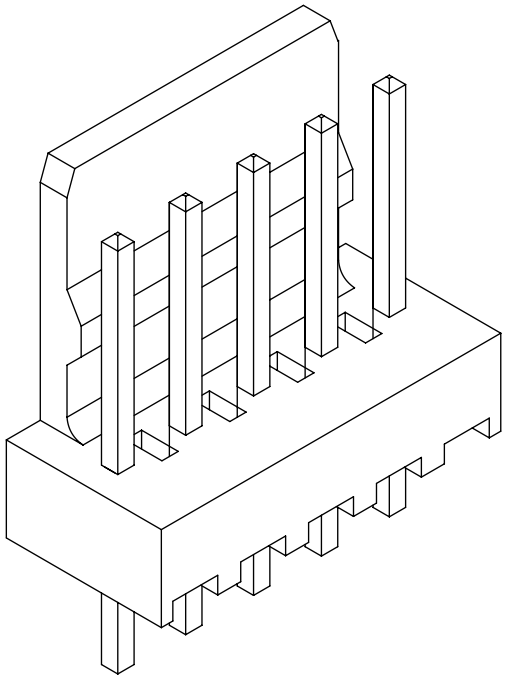
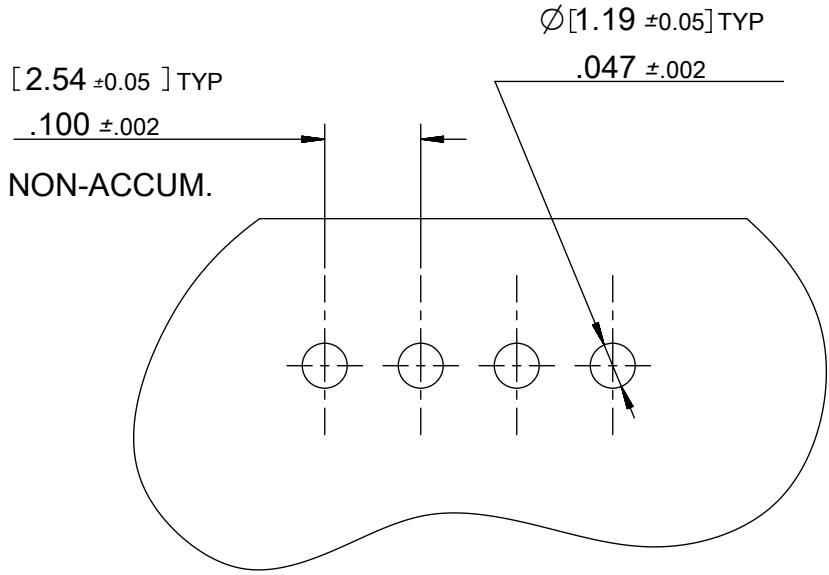
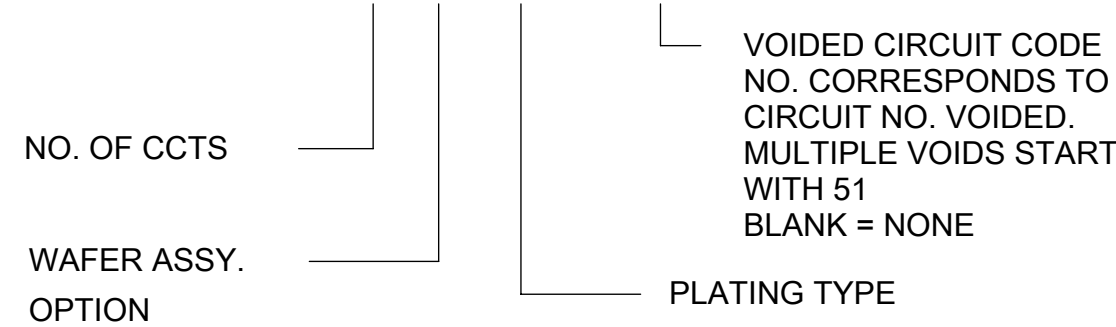


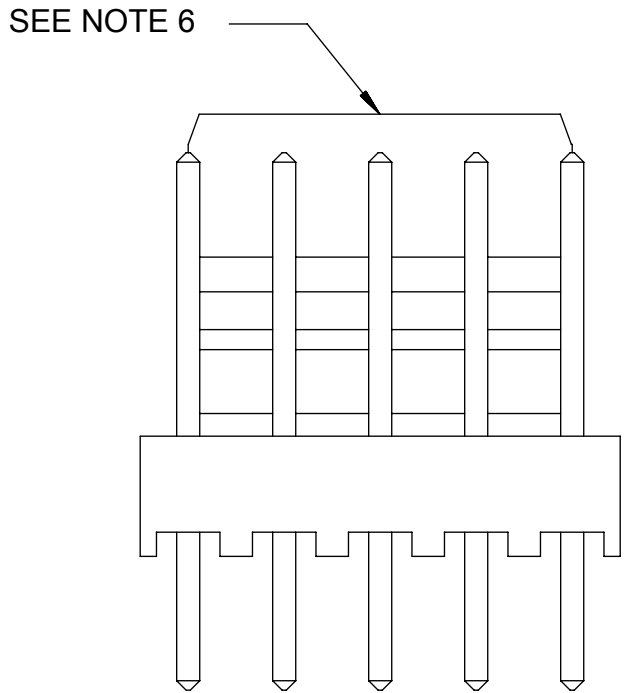
12	11
NO. OF CCTS	DIMN. "A"
2	(5.08) .200
3	(7.62) .300
4	(10.16) .400
5	(12.70) .500
6	(15.24) .600
7	(17.78) .700
8	(20.32) .800
9	(22.86) .900
10	(25.40) 1.000
11	(27.94) 1.100
12	(30.48) 1.200
13	(33.02) 1.300
14	(35.56) 1.400
15	(38.10) 1.500
16	(40.64) 1.600



AE-6410- N * (*) - *



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

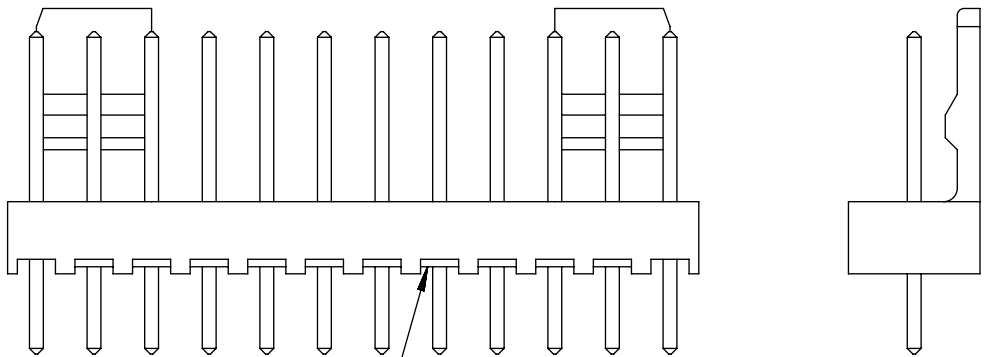


NOTES:

1. WAFER 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 RAMPS 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.

QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
	= 0	ADD 46899-0686 EC NO: 104930 DRWN: MKIPPER CHKD: JDFOX REV APPR: FSMITH	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE								
	= 0					MM/IN		5:1								
	= 0		MM		INCH		DRWN BY		DATE		WAVER, FRICTION LOCK KK (2.54)/.100 FOR (0.64)/.025 SQ. PINS					
	= 0		4 PLACES	±	±	T. MAHON		28/01/03								
	= 0		3 PLACES	±	± 0.01	CHK'D BY		DATE		PRODUCT CUSTOMER DRAWING						
	= 0		2 PLACES	± 0.25	± 0.014	BMAGUIRE		28/01/03								
	= 0		1 PLACES	± 0.35	±	APPR BY		DATE		SERIES MATERIAL NUMBER CUSTOMER						
	= 0		0 PLACES	±	±	JDENNEHY		2005/03/11								
	= 0		ANGULAR TOL ± 0.5			DRAWING SIZE		THIRD ANGLE PROJECTION		6410		SEE CHART		GENERAL MARKET		
	= 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			C				DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER
	= 0	BC1	REV						SDAE-6410-N		PSD		000		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(197)	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(197)	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(197)	22-27-2057	5 L(154)	▲	5 M(154)	NOT TOOLED
	6	6 A(222)	2061	6 C(197)	6296	6 H(197)	▲	6 J(197)	NOT TOOLED	6 L(154)		6 M(154)	NOT TOOLED
	7	7 A(222)	2071	7 C(197)	6297	7 H(197)		7 J(197)	NOT TOOLED	7 L(154)		7 M(154)	46999-0696
	8	8 A(222)	2081	8 C(197)	6298	8 H(197)		8 J(197)	22-27-2087	8 L(154)		8 M(154)	NOT TOOLED
	9	9 A(222)	2091	9 C(197)	6299	9 H(197)		9 J(197)	NOT TOOLED	9 L(154)		9 M(154)	▲
	10	10 A(222)	2101	10 C(197)	6300	10 H(197)	▼	10 J(197)	▲	10 L(154)		10 M(154)	
	11	11 A(222)	2111	11 C(197)	6301	11 H(197)	NOT TOOLED	11 J(197)		11 L(154)		11 M(154)	
	12	12 A(222)	2121	12 C(197)	6302	12 H(197)	22-27-2126	12 J(197)		12 L(154)		12 M(154)	
	13	13 A(222)	2131	13 C(197)	6303	13 H(197)	NOT TOOLED	13 J(197)		13 L(154)	▼	13 M(154)	
	14	14 A(222)	2141	14 C(197)	6304	14 H(197)	▲	14 J(197)		14 L(154)	NOT TOOLED	14 M(154)	
	15	15 A(222)	▼ 2151	15 C(197)	▼ 6305	15 H(197)	▼	15 J(197)	▼	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

QUALITY SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
▽ = 0 ▽ = 0 ▽ = 0 ▼ = 0 ▽ = 0 ☒ = 0 ■ = 0 ▽ = 0	ADD 46999-0696	2016/01/21 2016/05/31 2016/06/14	EC NO: 104930 DRWN: MKIPPER CHKD: JDOX APPR: FSMITH	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex® WAFER, FRICTION LOCK KK (2.54)/.100 FOR (0.64)/.025 SQ. PINS					
					MM	INCH	MM/IN		5:1							
				4 PLACES	±	±	DRWN BY		DATE		T. MAHON28/01/03					
				3 PLACES	±	± 0.01	CHK'D BY		DATE							
				2 PLACES	± 0.25	± 0.014	BMAGUIRE		28/01/03							
				1 PLACES	± 0.35	±	APPR BY		DATE		PRODUCT CUSTOMER DRAWING					
				0 PLACES	±	±	JDENNEHY		2005/03/11							
				ANGULAR TOL ± 0.5			DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES	MATERIAL NUMBER		CUSTOMER		
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			C				6410	SEE CHART		GENERAL MARKET		
											DOCUMENT NUMBER		DOC TYPE		DOC PART	SHEET NUMBER
BC1			REV					SDAE-6410-N		PSD		000	2 OF 4			

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

QUALITY SYMBOLS

▽ = 0

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THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

ADD 46999-0696

EC NO: 104930

DRWN: MKIPPER

CHKD: JDFOX

REV | APPR: FSMITH

2016/01/21

2016/05/31

2016/06/14

GENERAL TOLERANCES (UNLESS SPECIFIED)

MM

INCH

4 PLACES

3 PLACES

2 PLACES

1 PLACES

0 PLACES

±

± 0.01

± 0.25

± 0.35

±

ANGULAR TOL ± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS

SCALE

MM/IN

5:1

DRWN BY

DATE

T. MAHON

28/01/03

CHK'D BY

DATE

BMAGUIRE

28/01/03

APPR BY

DATE

JDENNEHY

2005/03/11

DRAWING SIZE

THIRD ANGLE PROJECTION

C

molex®

WAFER, FRICTION LOCK

KK (2.54)/.100 FOR (0.64)/.025 SQ. PINS

PRODUCT CUSTOMER DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

6410

SEE CHART

GENERAL MARKET

DOCUMENT NUMBER

DOC TYPE

DOC PART

SHEET NUMBER

SDAE-6410-N

PSD

000

3 OF 4

RELEASE STATUS

P1

RELEASE DATE

14.06.2016

16:45:46

12

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1

FORMAT: Edge-Header-master-to-print-C

REVISION: C

DATE: 2016/05/04

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

QUALITY SYMBOLS

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ADD 46899-0686

EC NO: 104930

DRWN: MKIPPER

CHKD: JDFOX

REV APPR: FSMITH

2016/01/21

2016/05/31

2016/06/14

BC1

REV

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

GENERAL TOLERANCES (UNLESS SPECIFIED)

MM

INCH

4 PLACES

±

±

3 PLACES

±

± 0.01

2 PLACES

± 0.25

± 0.014

1 PLACES

± 0.35

±

0 PLACES

±

±

ANGULAR TOL ± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS

MM/IN

DRAWN BY

T. MAHON

DATE

28/01/03

CHK'D BY

BMAGUIRE

DATE

28/01/03

APPR BY

JDENNEHY

DATE

2005/03/11

DRAWING SIZE

C

THIRD ANGLE PROJECTION

SERIES

6410

MATERIAL NUMBER

SEE CHART

CUSTOMER

GENERAL MARKET

DOCUMENT NUMBER

SDAE-6410-N

DOC TYPE

PSD

DOC PART

000

SHEET NUMBER

4 OF 4

RELEASE STATUS

P1

RELEASE DATE

14.06.2016

16:45:46

12

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