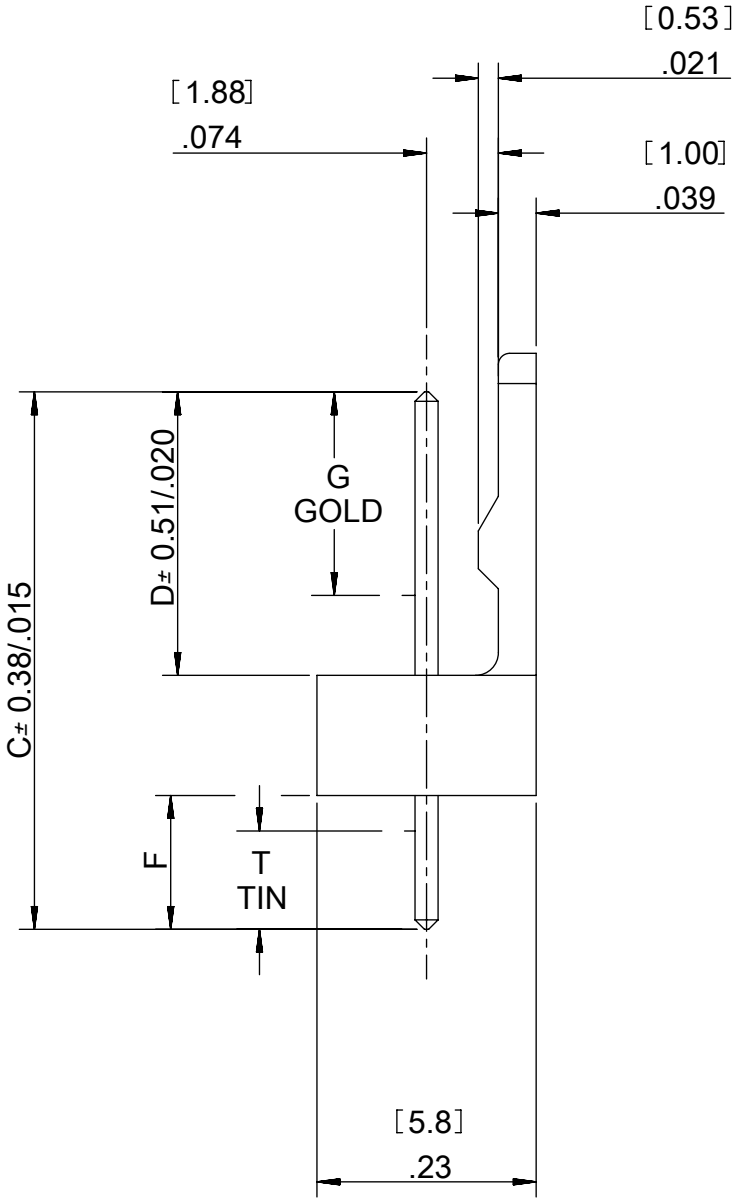
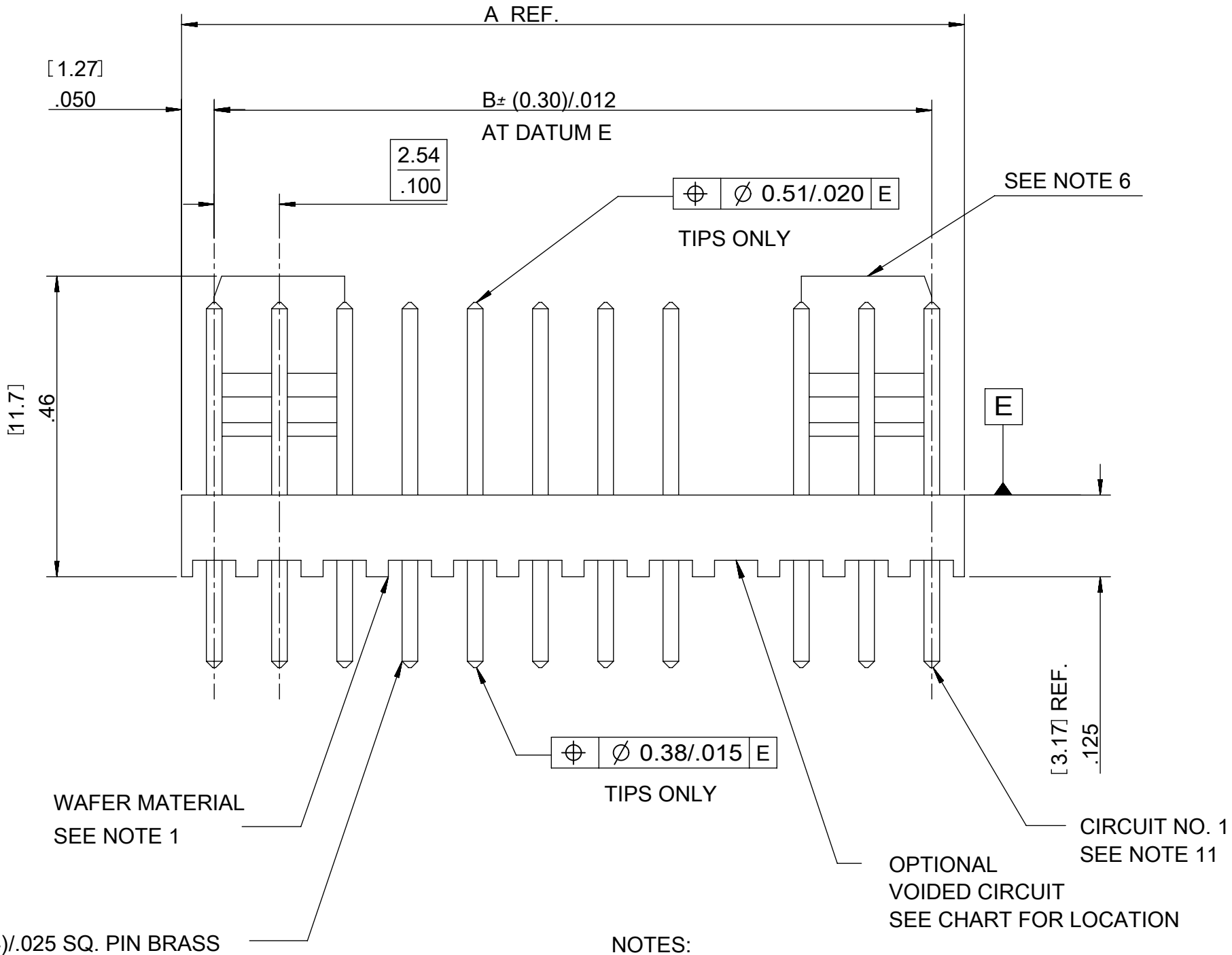
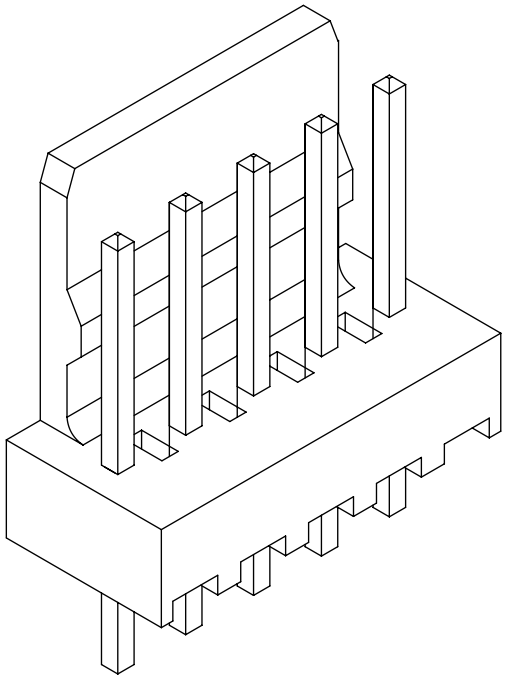


12		11
NO. OF CCTS	DIMN. "A"	DIMN. "B"
2	(5.08) .200	(2.54) .100
3	(7.62) .300	(5.08) .200
4	(10.16) .400	(7.62) .300
5	(12.70) .500	(10.16) .400
6	(15.24) .600	(12.70) .500
7	(17.78) .700	(15.24) .600
8	(20.32) .800	(17.78) .700
9	(22.86) .900	(20.32) .800
10	(25.40) 1.000	(22.86) .900
11	(27.94) 1.100	(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



AE-6410- N * (*) - *

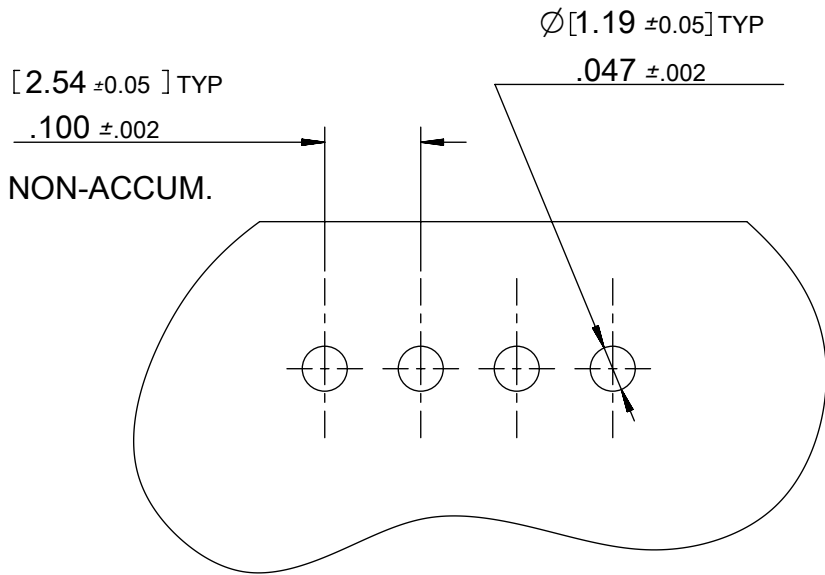
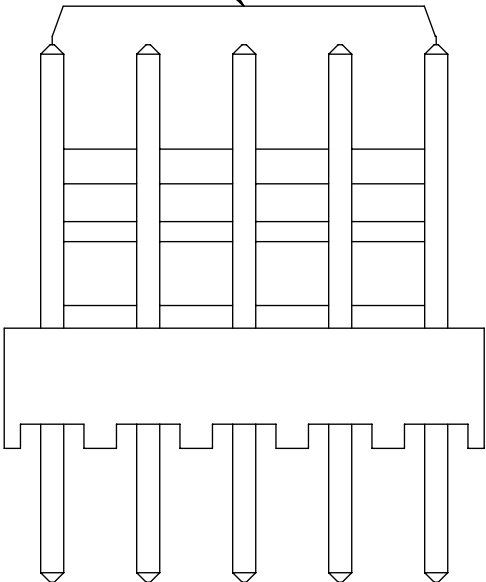
NO. OF CCTS

WAFER ASSY.
OPTION

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

PLATING TYPE

SEE NOTE 6



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

EM-6410-010
EM-6410-12A
EM-6410-12C

RELEASE STATUS P1 RELEASE DATE 14.06.2016 16:45:46

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					
= 0	BC1							DOCUMENT NUMBER SDAE-6410-N DOC TYPE PSD DOC PART 000 SHEET NUMBER 1 OF 4		

FORMAT: Eng-Age-Header-to-print-C REVISION: C DATE: 2016/06/04

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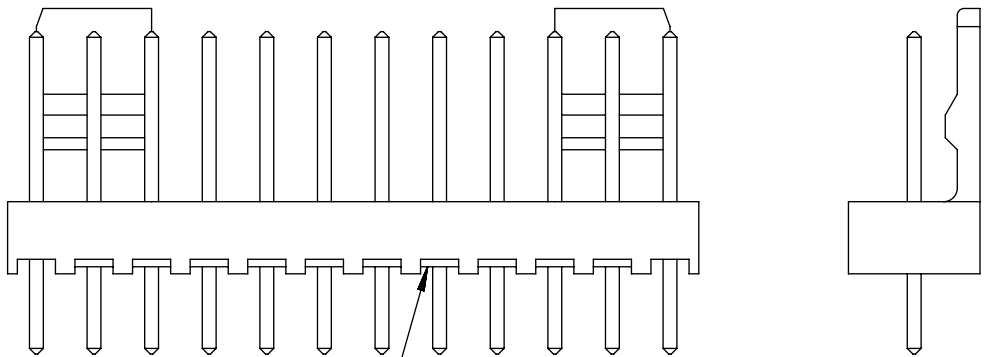
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ENG. NO.		AE-6410-NA (222)		AE-6410-NC (197)		AE-6410-NH (197)		AE-6410-NJ (197)		AE-6410-NL (154)		AE-6410-NM (154)	
DIMN. "D"		(7.50) .295		(7.14) .281		(7.49) .295		(18.80) .740		(8.58) .338		(7.62) .300	
DIMN. "C"		(14.22)/.560		(20.32)/.800		(14.98)/.590		(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 ▽ = 0 ▽ = 0 ▽ = 0 ▼ = 0 ▽ = 0 ☒ = 0 ■ = 0 ▽ = 0	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: JDOX REV / APPR: FSMITH	2016/01/21 2016/05/31 2016/06/14	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE	molex				
				MM	INCH	MM/IN		5:1					
			4 PLACES	±	±	DRWN BY		DATE	WAFER, FRICTION LOCK KK (2.54)/.100 FOR (0.64)/.025 SQ. PINS				
			3 PLACES	±	± 0.01	T. MAHON		28/01/03					
			2 PLACES	± 0.25	± 0.014	CHK'D BY		DATE	PRODUCT CUSTOMER DRAWING				
			1 PLACES	± 0.35	±	BMAGUIRE		28/01/03					
			0 PLACES	±	±	APPR BY		DATE	SERIES MATERIAL NUMBER CUSTOMER				
			ANGULAR TOL ± 0.5			JDENNEHY		2005/03/11					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DRAWING SIZE		THIRD ANGLE PROJECTION					
						C							
	BC1		DOCUMENT NUMBER		SDAE-6410-N		DOC TYPE	DOC PART	SHEET NUMBER				
							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 ± ± 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

molex®

WAFER, FRICTION LOCK

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

PRODUCT CUSTOMER DRAWING

SERIES

6410

MATERIAL NUMBER

SEE CHART

CUSTOMER

GENERAL MARKET

DOCUMENT NUMBER

SDAE-6410-N

DOC TYPE

PSD

DOC PART

000

SHEET NUMBER

3 OF 4

RELEASE STATUS

P1

RELEASE DATE

14.06.2016

16:45:46

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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

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

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WAFER, FRICTION LOCK
KK (2.54)/.100 FOR (0.64)/.025 SQ. PINS

PRODUCT CUSTOMER DRAWING