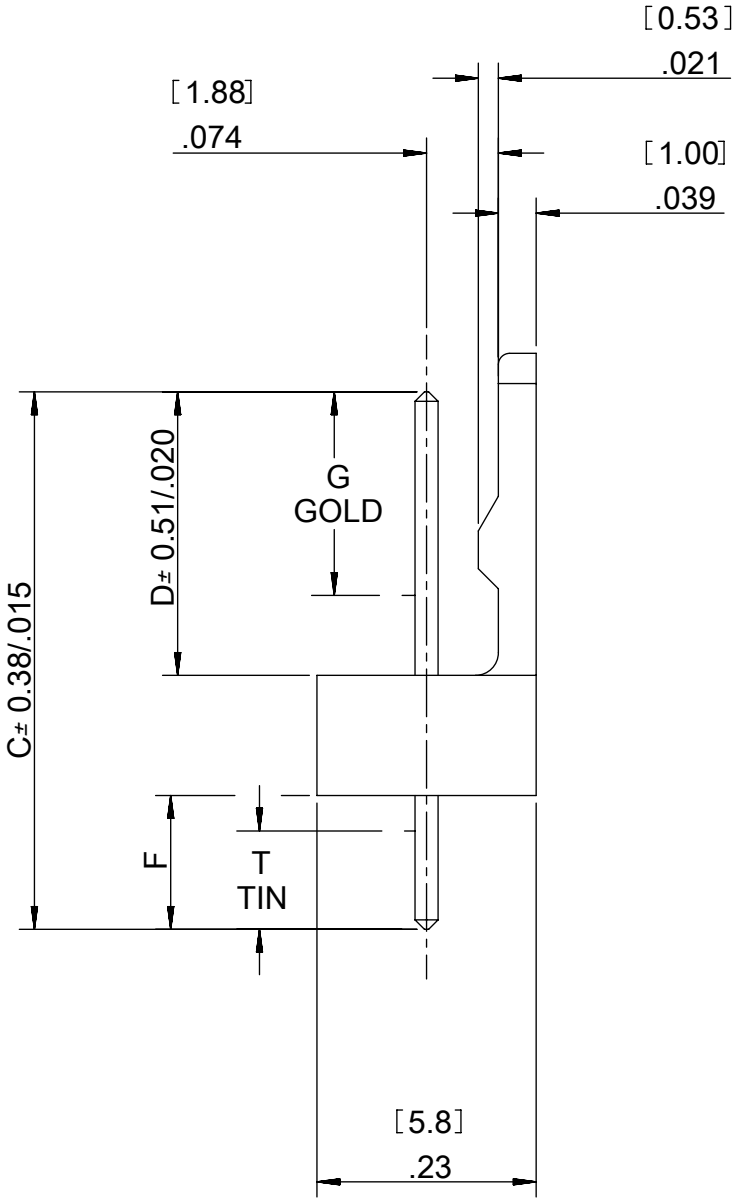
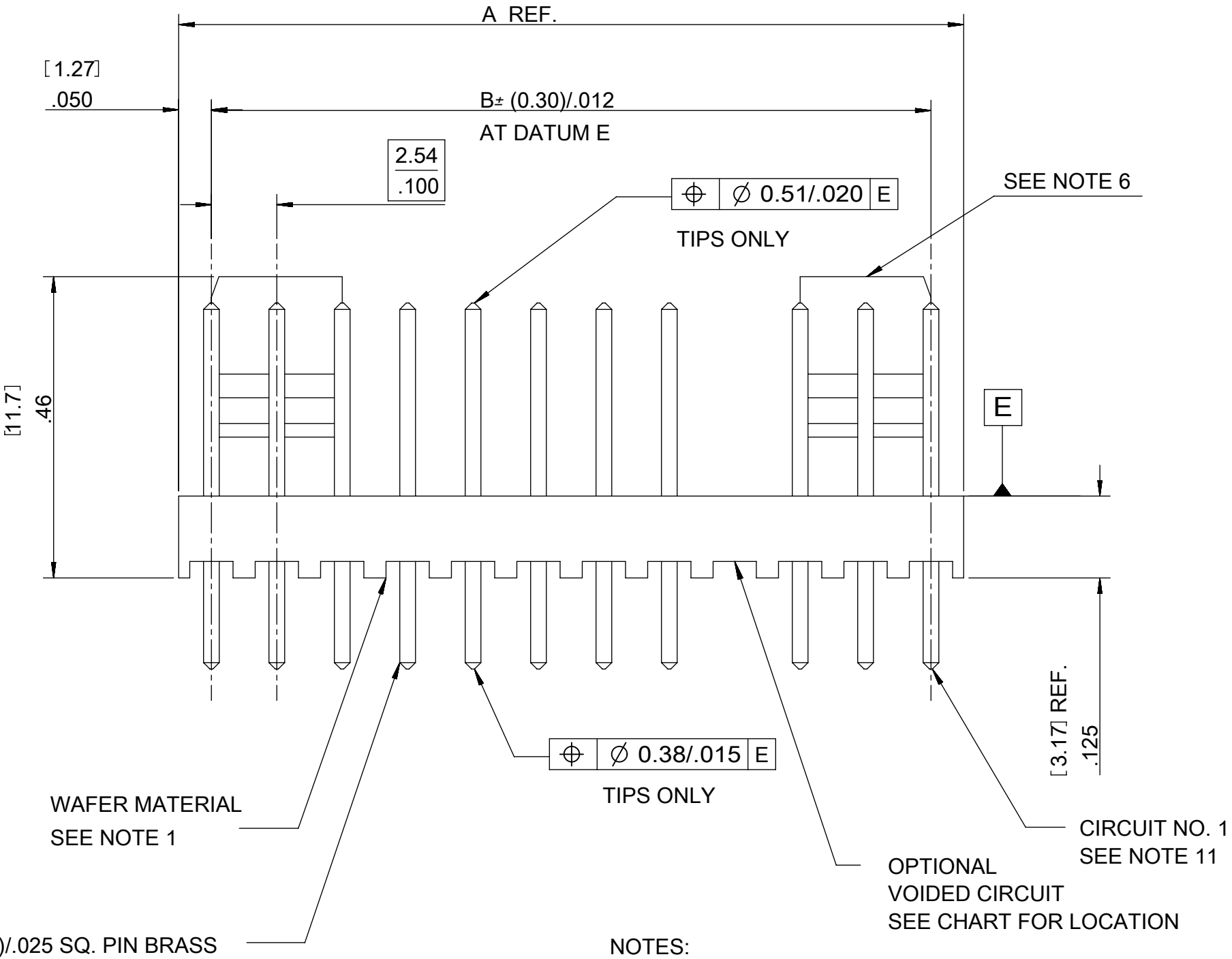
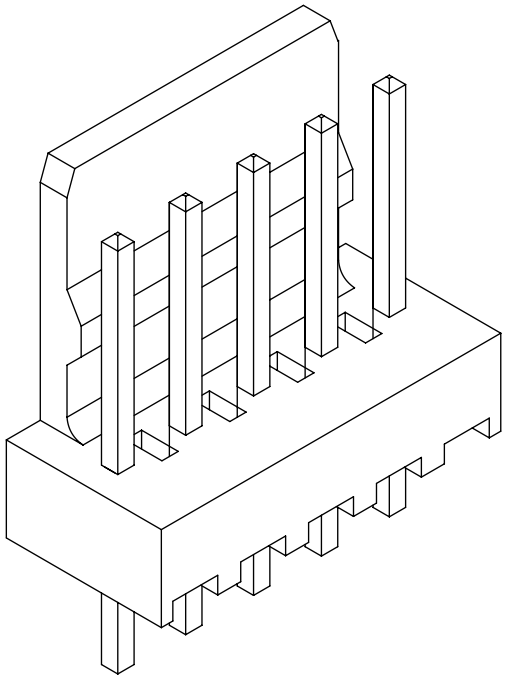


12	11
NO. OF CCTS	DIMN. "A"
2	(5.08) .200
3	(7.62) .300
4	(10.16) .400
5	(12.70) .500
6	(15.24) .600
7	(17.78) .700
8	(20.32) .800
9	(22.86) .900
10	(25.40) 1.000
11	(27.94) 1.100
12	(30.48) 1.200
13	(33.02) 1.300
14	(35.56) 1.400
15	(38.10) 1.500
16	(40.64) 1.600



AE-6410- N * (*) - *

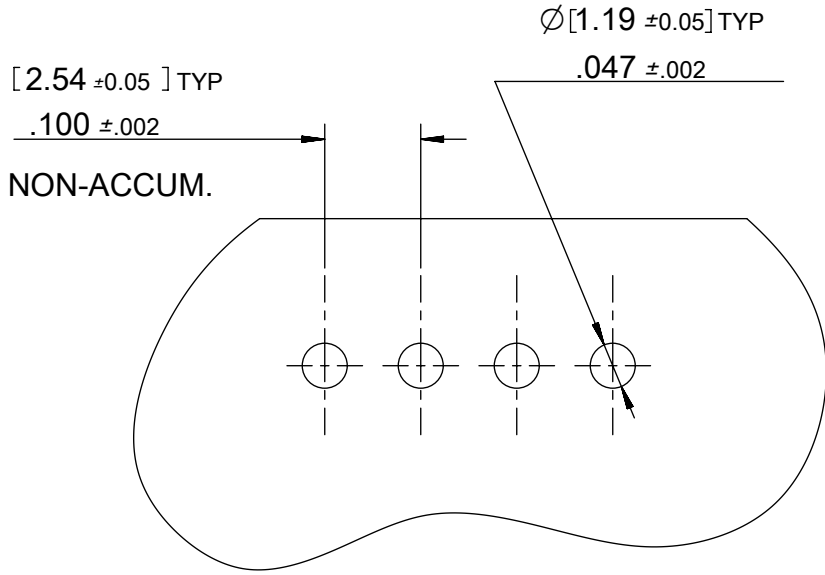
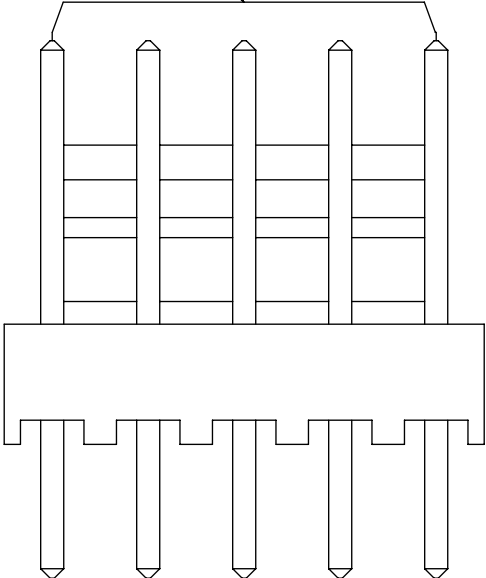
NO. OF CCTS

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)

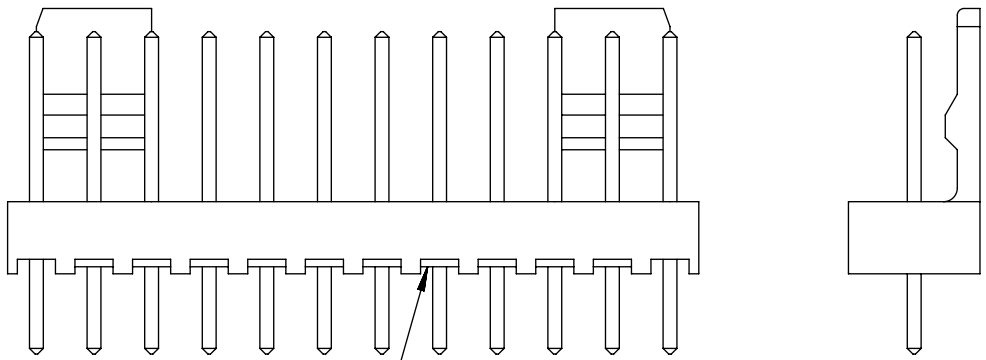
EM-6410-010	
EM-6410-12A	
EM-6410-12C	
RELEASE STATUS	P1
RELEASE DATE	14.06.2016
16:45:46	

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																
A = 0 F = 0 B = 0 ▽ = 0 C = 0 ⊠ = 0 ■ = 0 ⊂ = 0	ADD 46899-0686	2016/01/21 2016/05/31 2016/06/14	EC NO: 104930 DRWN: MKIPPER CHKD: JDFOX 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		PRODUCT CUSTOMER DRAWING						
				1 PLACES ± 0.35 ±			APPR BY		DATE								
				0 PLACES ± ±			JDENNEHY		2005/03/11		SERIESMATERIAL NUMBERCUSTOMER						
				ANGULAR TOL ± 0.5			DRAWING SIZE		THIRD ANGLE PROJECTION								
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			C				6410SEE CHARTGENERAL MARKET						
BC1		REV	DOCUMENT NUMBERSDAE-6410-N									DOC TYPEPSD		DOC PART000		SHEET NUMBER1 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	ADD 46999-0696 EC NO: 104930 DRWN: MKIPPER CHKD: JDFOX APPR: FSMITH	2016/01/21 2016/05/31 2016/06/14	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE												
	= 0				MM	INCH	MM/IN		5:1												
	= 0			4 PLACES	±	±	DRWN BY		DATE		WAFER, FRICTION LOCK KK (2.54)/.100 FOR (0.64)/.025 SQ. PINS										
	= 0			3 PLACES	±	± 0.01	T. MAHON		28/01/03												
	= 0			2 PLACES	± 0.25	± 0.014	CHK'D BY		DATE		PRODUCT CUSTOMER DRAWING										
	= 0			1 PLACES	± 0.35	±	BMAGUIRE		28/01/03												
	= 0			0 PLACES	±	±	APPR BY		DATE												
	= 0			ANGULAR TOL ± 0.5			JDENNEHY		2005/03/11												
	= 0			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DRAWING SIZE		THIRD ANGLE PROJECTION							SERIES		MATERIAL NUMBER		CUSTOMER	
	= 0			BC1	REV				C									6410		SEE CHART	
												DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER			
												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

▽ = 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: 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

SCALE

5:1

DRWN 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

12

11

10

9

8

7

6

5

4

3

2

1

FORMAT: Edge-Header-master-to-print-C
REVISION: C
DATE: 2016/05/04

