



产品编号 : 22272021

系列号 : 6410

Product Category : PCB Headers and Receptacles

Product Description : KK 254 Wire-to-Board Header, Vertical, with Friction Lock, 2 Circuits, Tin (Sn) Plating

状态 : Active

工程编号 : AE-6410-02A(222)

文件和资源

图纸

图纸 022272021_sd.pdf

包装设计图 PK-6410-002-001.pdf

3D 模型和设计文件

3D模型 022272021_stp.zip


符号足迹数据 SYM-22-27-2021-001.zip

规格

产品规格 PS-99020-0088-001.pdf

产物环境合规

合规

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

多部分产品合规性声明

- Eu RoHS
- REACH SVHC
- Low-Halogen

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration

- IEC-62474

- chemSHERPA (xml)

欧盟 RoHS 合格证书

产品详情

常规

状态	活动
类别	PCB Headers and Receptacles
系列	6410
说明	KK 254 Wire-to-Board Header, Vertical, with Friction Lock, 2 Circuits, Tin (Sn) Plating
应用	Signal, Wire-to-Board
元件类型	PCB Header
产品系列	KK Interconnect Systems
产品名称	KK 254
UPC	800753589629

机构

CSA	LR19980
UL	E29179

电气

每触点最大电流	4.0A
电压 - 最大	500V

物理

断开	否
回路数 (已载入)	2
电路数 (最多)	2
颜色-树脂	Natural (White)
先接后断	否
阻燃性	94V-0
符合灼热丝规范	否
可配插产品指南	否

插接极性	无
锁定插接部位	是
材料 - 金属	Brass
材料 - 接合部位电镀	Tin
材料 - 终端电镀	Tin
材料 - 树脂	Nylon
净重	0.218/g
行数	1
方向	垂直
包装形式	Bag
PC 焊脚长度	3.56mm
PCB 定位器	否
PCB 保持力	无
推荐的 PCB 厚度	1.60mm
间距 - 插配接口	2.54mm
间距 - 终端界面	2.54mm
最薄镀层 - 接合部位	5.080µm
最薄镀层 - 端接	5.080µm
有极性的插配件	是
PCB 极性	否
有护墙的	Partial
可堆叠的	否
运行温度范围	See Product Specification
终端界面类型	Through Hole

进程

最长持续时间	5
无铅	WAVE
最大周期	1
最高温度	235

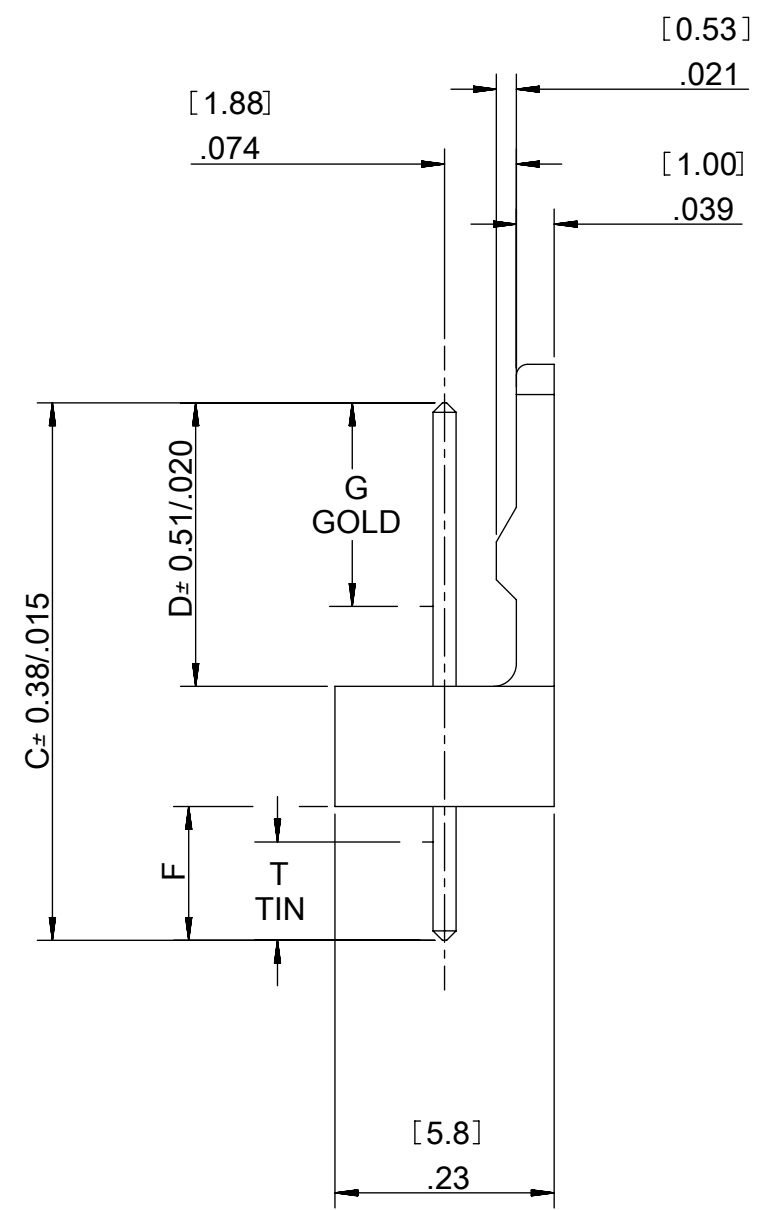
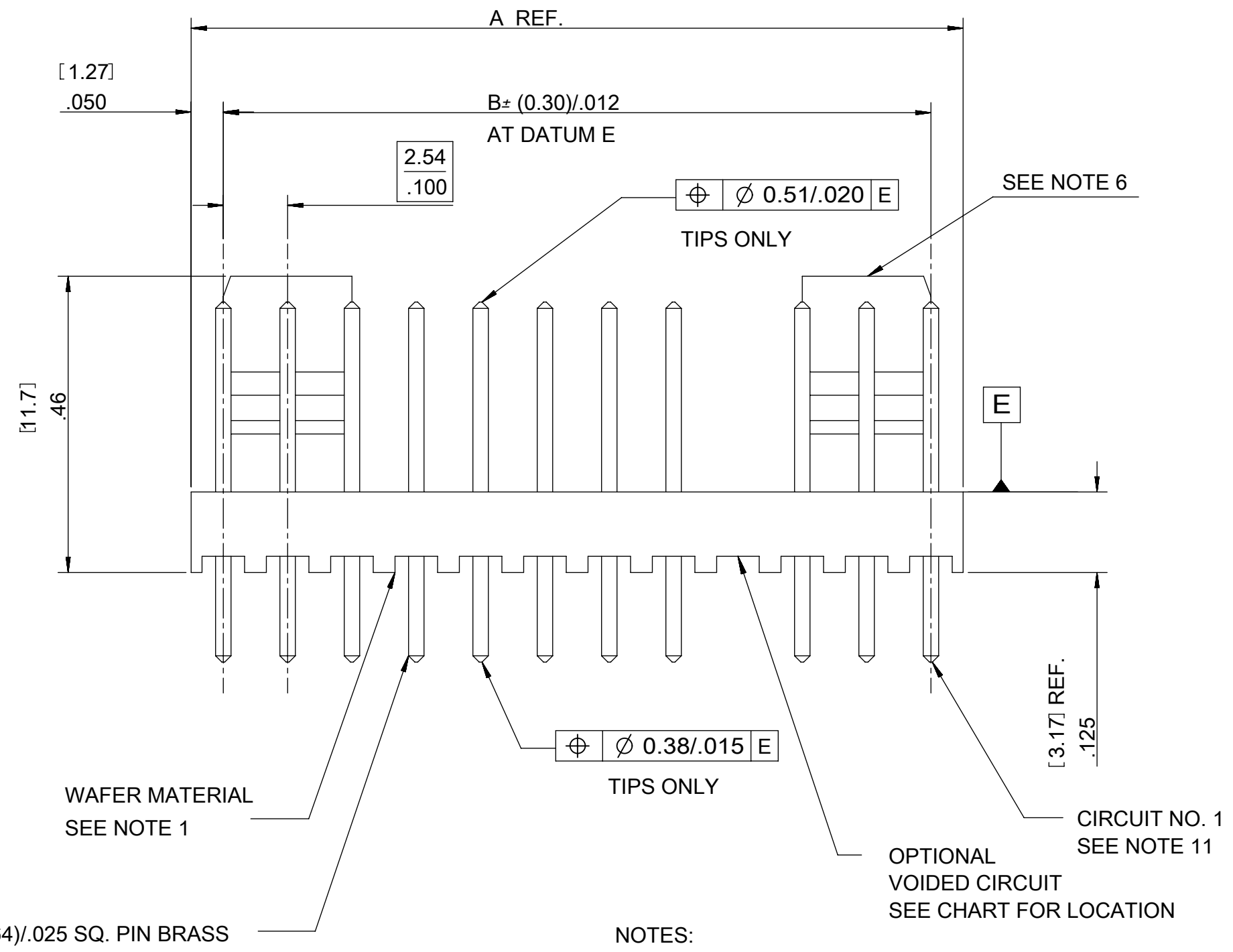
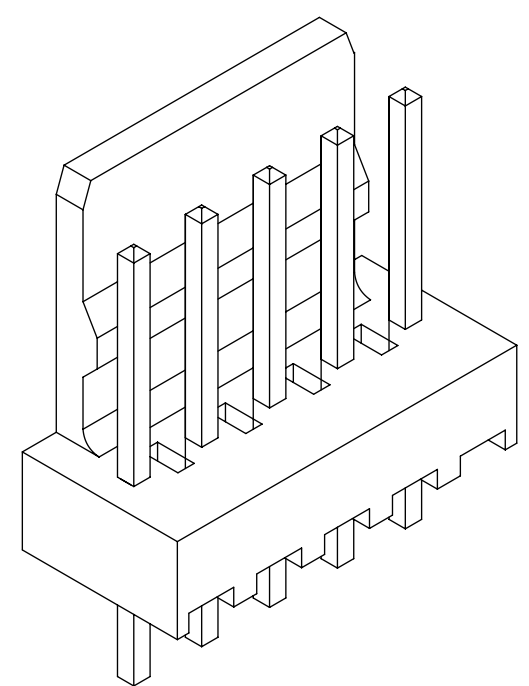
可配插/可连接使用的产品

可配插部件

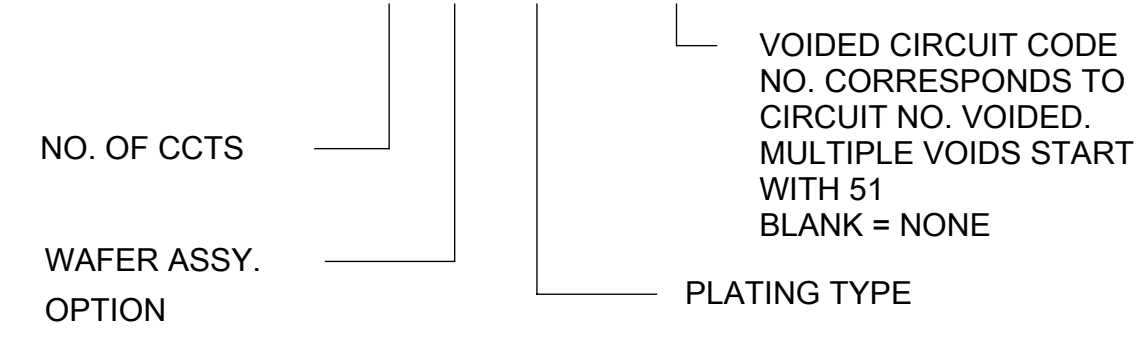
描述	产品编号
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This document was generated on Jun 04, 2024

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

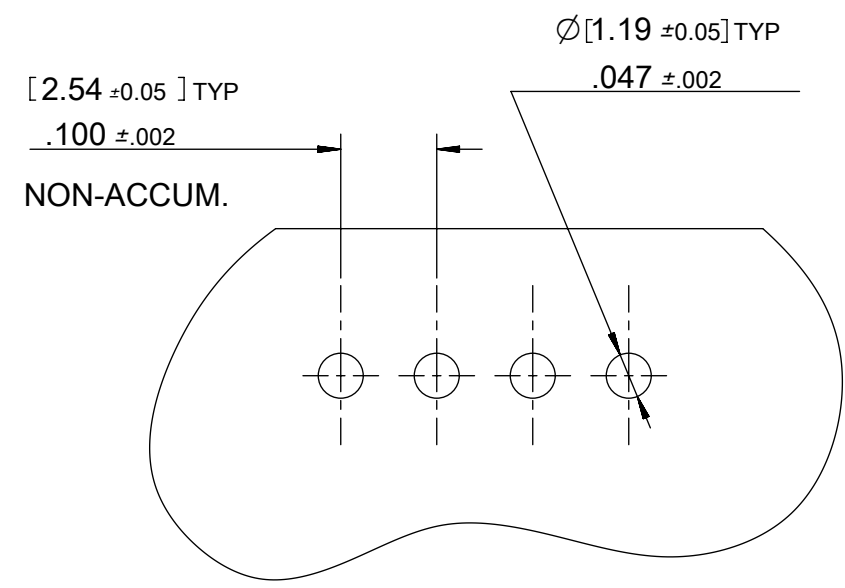


AE-6410- N * (*) - *

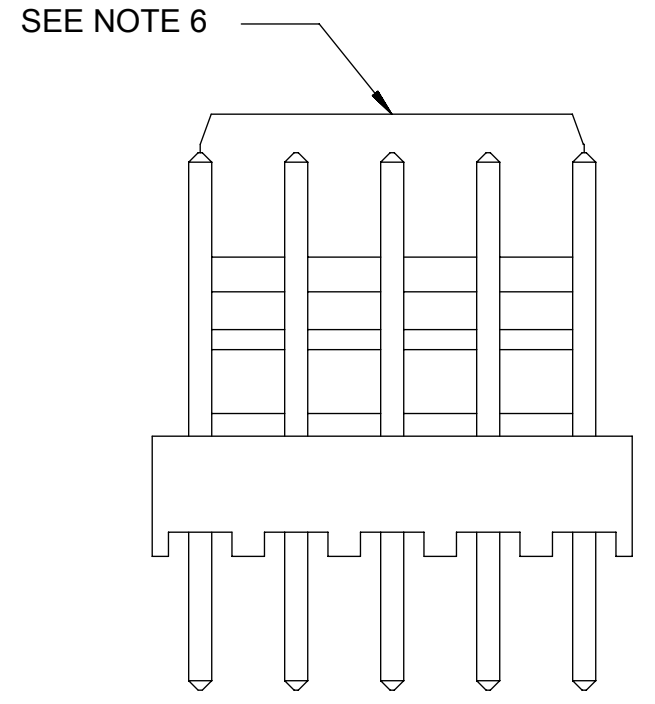


NOTES:

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.

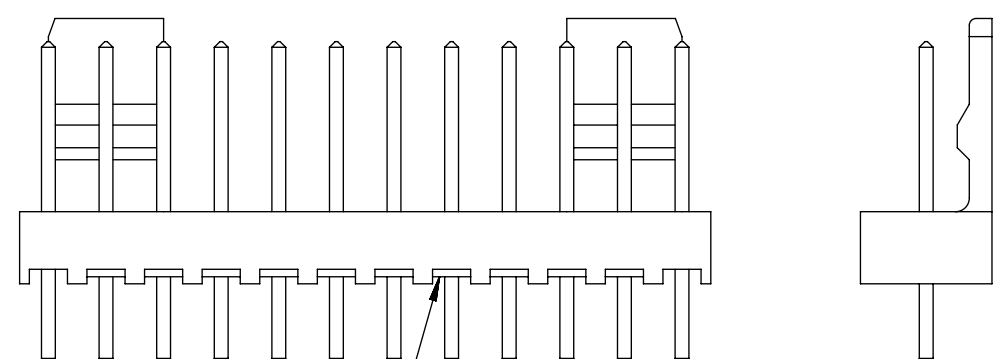


RECOMMENDED P.C.B. HOLE DIMENSIONS (STANDARD SERIES)



QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		DIMENSION UNITS		SCALE	
▽ = 0	▽ = 0	2016/01/21	2016/05/31	MM	INCH	MM/IN	5:1
▽ = 0	▽ = 0	2016/06/14		GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN BY	DATE
▽ = 0	▽ = 0			4 PLACES ±	±	T. MAHON	28/01/03
▽ = 0	▽ = 0			3 PLACES ±	± 0.01	CHK'D BY	DATE
▽ = 0	▽ = 0			2 PLACES ±	± 0.25 ± 0.014	BMAGUIRE	28/01/03
▽ = 0	▽ = 0			1 PLACES ±	± 0.35 ±	APPR BY	DATE
▽ = 0	▽ = 0			0 PLACES ±	±	JDENNEHY	2005/03/11
▽ = 0	▽ = 0			ANGULAR TOL = 0.5		DRAWING SIZE	THIRD ANGLE PROJECTION
▽ = 0	▽ = 0			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		C	
ADD 46999-0696	EC NO: 104930	DRWN: MKIPPER	CHKD: JDFOX	SERIES		MATERIAL NUMBER	
	REV: APPR: FSMITH			6410	SEE CHART		CUSTOMER
				DOCUMENT NUMBER		DOC TYPE	DOC PART
				SDAE-6410-N		PSD	000
				SHEET NUMBER		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 ▽ = 0 ▽ = 0 ▽ = 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	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION UNITS		SCALE					
		MM		INCH		MM/IN		5:1					
		4 PLACES ±		±		DRWN BY		DATE					
		3 PLACES ±		± 0.01		T. MAHON		28/01/03					
		2 PLACES ±		± 0.25 ± 0.014		CHK'D BY		DATE					
	1 PLACES ±		± 0.35 ±		BMAGUIRE		28/01/03						
	0 PLACES ±		±		APPR BY		DATE						
	ANGULAR TOL = 0.5		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		JDENNEHY		2005/03/11						
	C		THIRD ANGLE PROJECTION		DRAWING SIZE		THIRD ANGLE PROJECTION						
BC1		REV APPR: FSMITH		SERIES		MATERIAL NUMBER		CUSTOMER					
RELEASE STATUS		P1		RELEASE DATE		14.06.2016 16:45:46		6410		SEE CHART		GENERAL MARKET	
DOCUMENT NUMBER		SDAE-6410-N		DOC TYPE		PSD		DOC PART		SHEET NUMBER		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	AE-6410-2A(228) 38-00-7062
	3	3 A(241) ↑ 2031	3 C(241) 38-00-5909	3 A(231) 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	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	AE-6410-16A(228) NOT TOOLED

QUALITY SYMBOLS 	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	GENERAL TOLERANCES (UNLESS SPECIFIED) MM INCH 4 PLACES ± ± 3 PLACES ± ± 0.01 2 PLACES ± 0.25 ± 0.014 1 PLACES ± 0.35 ± 0 PLACES ± ±				DIMENSION UNITS MM/IN		SCALE 5:1		 WAFER, FRICTION LOCK KK (2.54)/.100 FOR (0.64)/.025 SQ. PINS PRODUCT CUSTOMER DRAWING			
		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 					
		ANGULAR TOL = 0.5				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							
		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				

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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		molex [®]																			
WAFFER, 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: 4 OF 4																			
QUALITY SYMBOLS ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0	ADD 46995-0696 EC NO: 104930 DRWN: MKIPPER CHKD: JDFOX REV APPR: FSMITH	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>MM</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>±</td> <td>±</td> </tr> <tr> <td>3 PLACES</td> <td>±</td> <td>± 0.01</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.25</td> <td>± 0.014</td> </tr> <tr> <td>1 PLACES</td> <td>± 0.35</td> <td>±</td> </tr> <tr> <td>0 PLACES</td> <td>±</td> <td>±</td> </tr> </tbody> </table> ANGULAR TOL = 0.5 DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MM	INCH	4 PLACES	±	±	3 PLACES	±	± 0.01	2 PLACES	± 0.25	± 0.014	1 PLACES	± 0.35	±	0 PLACES	±	±	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
	MM	INCH																			
4 PLACES	±	±																			
3 PLACES	±	± 0.01																			
2 PLACES	± 0.25	± 0.014																			
1 PLACES	± 0.35	±																			
0 PLACES	±	±																			