

Excellent Integrated System Limited

Stocking Distributor

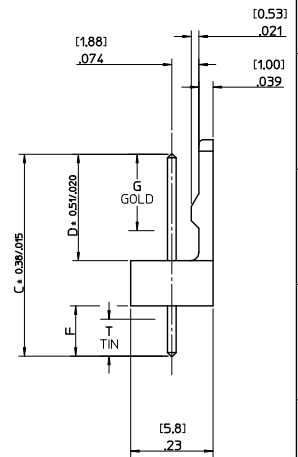
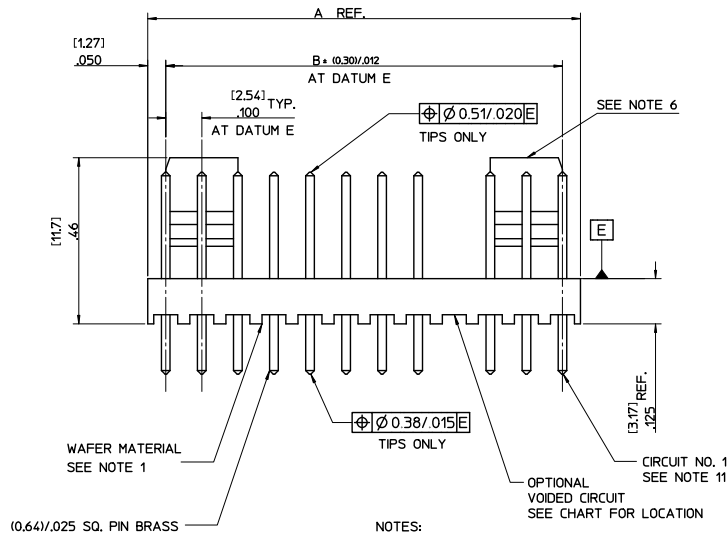
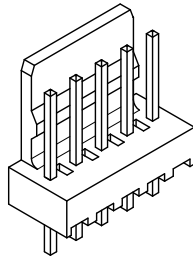
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[22-29-2091](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

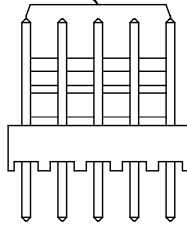
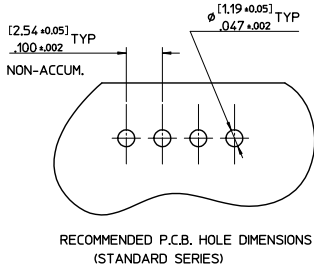
NO. OF CCTS	DIMN. "A"	DIMN. "B"
2	(5.08) (.200)	(2.54) (.100)
3	(7.62) (.300)	(5.08) (.200)
4	(10.16) (.400)	(7.62) (.300)
5	(12.70) (.500)	(10.16) (.400)
6	(15.24) (.600)	(12.70) (.500)
7	(17.78) (.700)	(15.24) (.600)
8	(20.32) (.800)	(17.78) (.700)
9	(22.86) (.900)	(20.32) (.800)
10	(25.40) (1.000)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



- 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 RAMP ON 7-16 CCTS, AS SHOWN.
 7. PIN PUSH OUT FORCE: 10.907 Kgf/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.

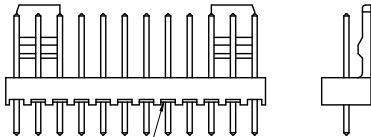
CHANGE PLATING	EC NO.	DATE	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.
BC	UCP202-821	2011/12/21	T. MAHON	28/01/03	BMAGUIRE	28/01/03	JDENNEHY	2005/03/11			1 OF 4

QUALITY SYMBOLS	DESCRIPTION	REV	GENERAL TOLERANCES (UNLESS SPECIFIED)	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS
▽=0			4 PLACES ± .005		
▽=0			3 PLACES ± .010		
▽=0			2 PLACES ± 0.25		
▽=0			1 PLACE ± 0.35		
			ANGULAR ± .5 °		

DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	TITLE
MM/IN	5:1	METRIC		WAFER, FRICTION LOCK
				KK (2.54)/.100 FOR
				(0.64)/.025 SQ. PINS
				MOLEX INCORPORATED
				SDAE-6410-N

GENERAL TOLERANCES (UNLESS SPECIFIED)	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS
4 PLACES ± .005					
3 PLACES ± .010					
2 PLACES ± 0.25					
1 PLACE ± 0.35					
ANGULAR ± .5 °					

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	2	2	2	2	2
3	3 A(222)	3 C(197)	3 H(197)	3 J(102)	3 L(154)	3 M(154)
4	4 A(222)	4 C(197)	4 H(197)	4 J(102)	4 L(154)	4 M(154)
5	5 A(222)	5 C(197)	5 H(197)	5 J(102)	5 L(154)	5 M(154)
6	6 A(222)	6 C(197)	6 H(197)	6 J(102)	6 L(154)	6 M(154)
7	7 A(222)	7 C(197)	7 H(197)	7 J(102)	7 L(154)	7 M(154)
8	8 A(222)	8 C(197)	8 H(197)	8 J(102)	8 L(154)	8 M(154)
9	9 A(222)	9 C(197)	9 H(197)	9 J(102)	9 L(154)	9 M(154)
10	10 A(222)	10 C(197)	10 H(197)	10 J(102)	10 L(154)	10 M(154)
11	11 A(222)	11 C(197)	11 H(197)	11 J(102)	11 L(154)	11 M(154)
12	12 A(222)	12 C(197)	12 H(197)	12 J(102)	12 L(154)	12 M(154)
13	13 A(222)	13 C(197)	13 H(197)	13 J(102)	13 L(154)	13 M(154)
14	14 A(222)	14 C(197)	14 H(197)	14 J(102)	14 L(154)	14 M(154)
15	15 A(222)	15 C(197)	15 H(197)	15 J(102)	15 L(154)	15 M(154)
16	16 A(222)	16 C(197)	16 H(197)	16 J(102)	16 L(154)	16 M(154)



RIBS ADDED
(4-16 CCTS. ONLY)

ALTERNATIVE WAFER CONFIGURATION

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
▽=0	mm INCH	MM/IN	4:1	METRIC	
▽=0	4 PLACES ± .005 ± .005	DRAWN BY T. MAHON DATE 28/01/03	TITLE WAFFER, FRICTION LOCK KK (2.54)/.100 FOR (0.64)/.025 SQ. PINS		
▽=0	3 PLACES ± .005 ± .010	CHECKED BY BMAGUIRE DATE 28/01/03			
	2 PLACES ± 0.25 ± .014	APPROVED BY JDENNEHY DATE 2005/03/11	MOLEX INCORPORATED		
	1 PLACE ± 0.35 ± .014	MATERIAL NO. SDAE-6410-N			
	ANGULAR ± .5 °	DOCUMENT NO.	SHEET NO. 2 OF 4		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE C			

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) NOT TOOLED	5 A(231) NOT TOOLED	NOT TOOLED	5 A 7065
	6	6 A(241) 2061	6 C(241) NOT TOOLED	6 A(231) NOT TOOLED	6 S(241) 38-00-7667	6 A 7066
	7	7 A(241) 2071	7 C(241) NOT TOOLED	7 A(231) NOT TOOLED	NOT TOOLED	7 A 7067
	8	8 A(241) 2081	8 C(241) NOT TOOLED	8 A(231) NOT TOOLED	NOT TOOLED	8 A 38-00-7068
	9	9 A(241) 2091	9 C(241) NOT TOOLED	9 A(231) NOT TOOLED	NOT TOOLED	9 A NOT TOOLED
	10	10 A(241) 2101	10 C(241) NOT TOOLED	10 A(231) NOT TOOLED	NOT TOOLED	10 A NOT TOOLED
	11	11 A(241) 2111	11 C(241) NOT TOOLED	11 A(231) NOT TOOLED	NOT TOOLED	11 A NOT TOOLED
	12	12 A(241) 2121	12 C(241) NOT TOOLED	12 A(231) NOT TOOLED	NOT TOOLED	12 A 38-00-7072
	13	13 A(241) 2131	13 C(241) NOT TOOLED	13 A(231) NOT TOOLED	NOT TOOLED	13 A NOT TOOLED
	14	14 A(241) 2141	14 C(241) NOT TOOLED	14 A(231) NOT TOOLED	NOT TOOLED	14 A 38-00-7074
	15	15 A(241) 2151	15 C(241) NOT TOOLED	15 A(231) NOT TOOLED	NOT TOOLED	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 DRW:MSR/HH CHK:DK/PPR 2012/01/03 APPR:SMTH 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°	DIMENSION STYLE MM/IN	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE WAVER, FRICTION LOCK KK (2.54)/.100 FOR (0.64)/.025 SQ. PINS	MOLEX INCORPORATED	MATERIAL NO. SEE CHART	DOCUMENT NO. SDAE-6410-N	SHEET NO. 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 BY: DRWINNSTRON 2011/12/22 CHECKED BY: CHKOAKTPER 2012/01/03 APPR: SMITH 2012/02/02 BC	DESCRIPTION QUALITY SYMBOLS ▽=0 ▽=0 ▽=0 REV	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  MOLEX INCORPORATED	
		4 PLACES ± --- ± ---			CHECKED BY BMAGUIRE	DATE 28/01/03		
		3 PLACES ± --- ± .010			APPROVED BY JDENNEHY	DATE 2005/03/11		
		2 PLACES ± .025 ± .014			MATERIAL NO.		DOCUMENT NO. SDAE-6410-N	SHEET NO. 4 OF 4
		1 PLACE ± .035 ± ---			SEE CHART			
		ANGULAR ± .5 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE B THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		