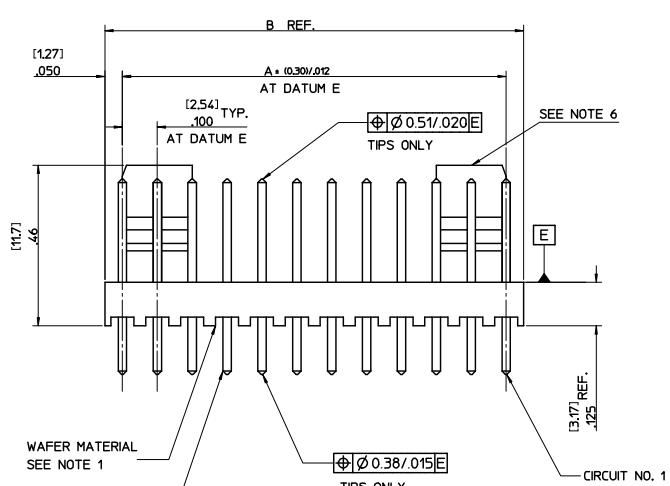


NO. OF CCTS	DIMN. "A"	DIMN. "B"
2	(2.54) .100	(5.08) .200
3	(5.08) .200	(7.62) .300
4	(7.62) .300	(10.16) .400
5	(10.16) .400	(12.70) .500
6	(12.70) .500	(15.24) .600
7	(15.24) .600	(17.78) .700
8	(17.78) .700	(20.32) .800
9	(20.32) .800	(22.86) .900
10	(22.86) .900	(25.40) 1.000
11	(25.40) 1.000	(27.94) 1.100
12	(27.94) 1.100	(30.48) 1.200
13	(30.48) 1.200	(33.02) 1.300
14	(33.02) 1.300	(35.56) 1.400
15	(35.56) 1.400	(38.10) 1.500
16	(38.10) 1.500	(40.64) 1.600
17	(40.64) 1.600	(43.18) 1.700
18	(43.18) 1.700	(45.72) 1.800
19	(45.72) 1.800	(48.26) 1.900
20	(48.26) 1.900	(50.80) 2.000
21	(50.80) 2.000	(53.34) 2.100
22	(53.34) 2.100	(55.88) 2.200
23	(55.88) 2.200	(58.42) 2.300
24	(58.42) 2.300	(60.86) 2.400
25	(60.86) 2.400	(63.50) 2.500
26	(63.50) 2.500	(66.04) 2.600
27	(66.04) 2.600	(68.58) 2.700
28	(68.58) 2.700	(71.12) 2.800



WAIVER MATERIAL
SEE NOTE 1

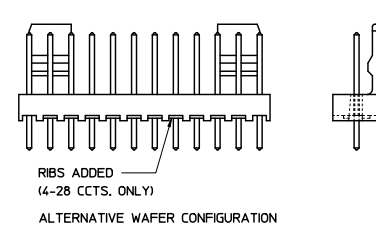
(0.64)/.025 SQ. PIN BRASS
FOR PLATING SEE SHEET 2

AE-6410- N * (*)

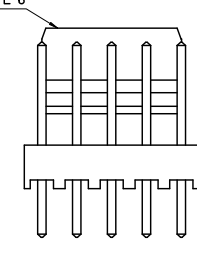
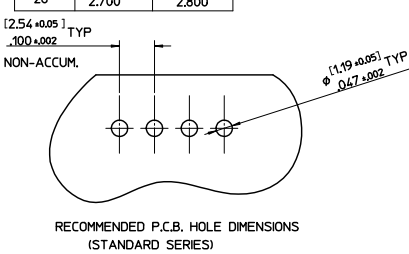
NO. OF CCTS

PLATING TYPE

WAIVER ASSY.
OPTION



- NOTES:
1. WAIVER MATERIAL: NYLON 94V-0
 2. PIN PUSH OUT FORCE: 0.907 Kg/2lbs MIN.
 3. WAFERS STACKABLE END TO END WITH (2.54)/.100 BETWEEN END PINS
 4. THIS PART CONFORMS TO MOLEX PROD. SPEC. PS99020-0088.
 5. PIN SOLDERABILITY PER MOLEX SPEC. NO. 152.
 6. SINGLE RAMP ON 2-6 CCTS TWO RAMP ON 7-28 CCTS. AS SHOWN.
 7. PRODUCT SPECIFICATION: PS-99020-0087
 8. PCB THICKNESS 1.6MM



ADD VOIDED OPTION LEC NO. E2009-0413 2009/02/24 DRAWN: BMAGUIRE CHKD: 2009/02/24 APPR: BMAGUIRE 2009/02/24 REV	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
		mm	INCH	MM/IN	MM/IN			
		4 PLACES ± .010	± .004			4:1	METRIC	
		3 PLACES ± .025	± .010					
		2 PLACES ± 0.25	± .014					
		1 PLACE ± 0.35	± .014					
		ANGULAR ± 5°						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWN BY T. MAHON DATE 28/01/03		TITLE WAIVER, FRICTION LOCK KK (2.54)/.100 FOR (0.64)/.025 SQ. PINS		
				CHECKED BY BMAGUIRE DATE 28/01/03		MATERIAL NO. SDAE-6410-N		SHEET NO. 1 OF 4
				APPROVED BY JDENNEHY DATE 2005/03/11		MOLEX INCORPORATED		
				DOCUMENT NO. SDAE-6410-N				
				SIZE A		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

ENG. NO.	AE-6410-NA (102)	AE-6410-NC (102)	AE-6410-ND (102)	AE-6410-NH (102)	AE-6410-NJ (102)	AE-6410-NL (102)	
DIMN. "D"	(7.50 ±0.25) 295 ±0.00	(7.14 ±0.25) 281 ±0.00	(8.05 ±0.25) 317 ±0.00	(7.49 ±0.25) 295 ±0.00	(18.80 ±0.30) 740 ±0.05	(8.50 ±0.30) 335 ±0.05	
DIMN. "C"	(14.22) / .560	(20.32) / .800	(14.22) / .560	(14.98) / .590	(25.40) / 1.000	(23.80) / .937	
DIMN. "F"	(3.56) / .140 REF	(10.00) / .394 REF	(2.99) .118 REF	(4.32) / .170 REF	(3.43) / .135 REF	(12.13) / .477 REF	
PLATING	TIN MIN. (0.005)/.0002 OVER (0.0025)/.0001 COPPER MIN.	TIN MIN. (0.005)/.0002 OVER (0.0025)/.0001 COPPER MIN.	TIN MIN. (0.005)/.0002 OVER (0.0025)/.0001 COPPER MIN.	TIN MIN. (0.005)/.0002 OVER (0.0025)/.0001 COPPER MIN.	TIN MIN. (0.005)/.0002 OVER (0.0025)/.0001 COPPER MIN.	TIN MIN. (0.005)/.0002 OVER (0.0025)/.0001 COPPER MIN.	
NO. OF CIRCUITS	2	AE-6410-2A(102) 22-27-2021	AE-6410-2C(102) 38-00-6292	AE-6410-2D(102) 38-00-5882	AE-6410-2H(102) 38-00-6754	AE-6410-2L(102) NOT TOOLED	
	3	3 A(102) 2031	3 C(102) 6293	3 D(102) 5883	3 H(102) NOT TOOLED	3 J(102) NOT TOOLED	
	4	4 A(102) 2041	4 C(102) 6294	4 D(102) 5884	4 H(102) 22-27-2046	4 J(102) NOT TOOLED	
	5	5 A(102) 2051	5 C(102) 6295	5 D(102) 5885	5 H(102) NOT TOOLED	5 J(102) 22-27-2057	
	6	6 A(102) 2061	6 C(102) 6296	6 D(102) 5886	6 H(102)	6 J(102) NOT TOOLED	
	7	7 A(102) 2071	7 C(102) 6297	7 D(102) 5887	7 H(102)	7 J(102) NOT TOOLED	
	8	8 A(102) 2081	8 C(102) 6298	8 D(102) 5888	8 H(102)	8 J(102) 22-27-2087	
	9	9 A(102) 2091	9 C(102) 6299	9 D(102) 5889	9 H(102)	9 J(102) NOT TOOLED	
	10	10 A(102) 2101	10 C(102) 6300	10 D(102) 5890	10 H(102)	10 J(102)	
	11	11 A(102) 2111	11 C(102) 6301	11 D(102) 5891	11 H(102) NOT TOOLED	11 J(102)	
	12	12 A(102) 2121	12 C(102) 6302	12 D(102) 5892	12 H(102) 22-27-2126	12 J(102)	
	13	13 A(102) 2131	13 C(102) 6303	13 D(102) 5893	13 H(102) NOT TOOLED	13 J(102)	
	14	14 A(102) 2141	14 C(102) 6304	14 D(102) 5894	14 H(102)	14 J(102) L(102) NOT TOOLED	
	15	15 A(102) 2151	15 C(102) 6305	15 D(102) 5895	15 H(102)	15 J(102) L(102) 38-00-1736	
	16	16 A(102) 2161	16 C(102) 6306	16 D(102) 5896	16 H(102)	16 J(102) L(102) NOT TOOLED	
	17	17 A(102) 2171	17 C(102) 6307	17 D(102) 5897	17 H(102)	17 J(102) L(102)	
	18	18 A(102) 2181	18 C(102) 6308	18 D(102) 5898	18 H(102)	18 J(102) L(102)	
	19	19 A(102) 2191	19 C(102) 6309	19 D(102) 5899	19 H(102)	19 J(102) L(102)	
	20	20 A(102) 2201	20 C(102) 38-00-6310	20 D(102) 5900	20 H(102)	20 J(102) L(102)	
	21	21 A(102) 2211	21 C(102) NOT TOOLED	21 D(102) 5901	21 H(102)	21 J(102) L(102)	
	22	22 A(102) 2221	22 C(102)	22 D(102) 5902	22 H(102)	22 J(102) L(102)	
	23	23 A(102) 2231	23 C(102)	23 D(102) 5903	23 H(102)	23 J(102) L(102)	
	24	24 A(102) 2241	24 C(102)	24 D(102) 5904	24 H(102)	24 J(102) L(102)	
	25	25 A(102) 2251	25 C(102)	25 D(102) 5905	25 H(102)	25 J(102) L(102)	
	26	26 A(102) 2261	26 C(102)	26 D(102) 5906	26 H(102)	26 J(102) L(102)	
	27	27 A(102) 2271	27 C(102)	27 D(102) 5907	27 H(102)	27 J(102) L(102)	
	28	AE-6410-28A(102) 22-27-2281	AE-6410-28C(102) NOT TOOLED	AE-6410-28D(102) 38-00-5908	AE-6410-28H(102) NOT TOOLED	AE-6410-28J(102) NOT TOOLED	AE-6410-28L(102) NOT TOOLED

SEE SHEET 1 ELEC. NO. E2009-0413 DRAWN: BMAGUIRE 2009/07/24 CHKD: 2009/07/24 APPR: BMAGUIRE 2009/07/24 REV:	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .014 1 PLACE ± 0.35 ± --- ANGULAR ± 5 °	DIMENSION STYLE MM/IN DRAWN BY T. MAHON DATE 28/01/03 CHECKED BY BMAGUIRE DATE 28/01/03 APPROVED BY JDENNEHY DATE 2005/03/11	SCALE 4:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			TITLE WAFER, FRICTION LOCK KK (2.54)/.100 FOR (0.64)/.025 SQ. PINS	MATERIAL NO. SDAE-6410-N DOCUMENT NO.
	SEE CHART			MOLEX INCORPORATED	SHEET NO. 2 OF 4
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

ENG. NO.	AE-6410-NA (501)	AE-6410-NA (516)	AE-6410-NK (516)	AE-6410-NC (501)	AE-6410-NA (509)	AE-6410-NS (501)	AE-6410-NA (503)
DIMN. "D"	(7.50 ±0.25) 295 ±0.00	(7.50 ±0.25) 295 ±0.00	(9.22) .363 REF	(7.14 ±0.25) .281 ±0.00	(7.50 ±0.25) 295 ±0.00	(7.50 ±0.25) 295 ±0.00	(7.50 ±0.25) 295 ±0.00
DIMN. "C"	(14.22) / .560	(14.22) / .560	(15.88) / .625	(20.32) / .800	(14.22) / .560	(16.51) / .649	(14.22) / .560
DIMN. "F"	(3.56) / .140 REF	(3.56) / .140 REF	(3.48 ±0.25) .137 ±0.00	(10.00) / .394 REF	(3.56) / .140 REF	(5.84) / .230 REF	(3.56) / .140 REF
PLATING	GOLD MIN. (0.0005)/.000020 OVER (0.00076)/.000030 NICKEL MIN.	GOLD MIN. (0.00025)/.000010 OVER (0.00076)/.000030 NICKEL MIN.	GOLD MIN. (0.00025)/.000010 OVER (0.00076)/.000030 NICKEL MIN.	GOLD MIN. (0.00051)/.000020 OVER (0.00076)/.000030 NICKEL MIN.	GOLD MIN. (0.00127)/.000050 OVER (0.00076)/.000030 NICKEL MIN.	GOLD MIN. (0.00051)/.000020 OVER (0.00076)/.000030 NICKEL MIN.	GOLD MIN. (0.00076)/.000030 OVER (0.00127)/.000050 NICKEL MIN.
NO. OF CIRCUITS	2	2	2	2	2	2	2
3	3 A(501) ↑ 2031	3 A(516) ↑ 2032	3 K(516) ↑ 0933	3 C(501) 38-00-5909	3 A(509) NOT TOOLED	NOT TOOLED	3 A(503) ↑ 7063
4	4 A(501) 2041	4 A(516) 2042	4 K(516) 0934	4 C(501) NOT TOOLED	4 A(509) 38-00-7251	AE-6410-45009 38-00-7666	4 A ↑ 7064
5	5 A(501) 2051	5 A(516) 2052	5 K(516) 0935	5 C(501) ↑	5 A(509) NOT TOOLED	NOT TOOLED	5 A ↑ 7065
6	6 A(501) 2061	6 A(516) 2062	6 K(516) 0936	6 C(501) ↑	6 A(509) NOT TOOLED	6 S(501) 38-00-7667	6 A ↑ 7066
7	7 A(501) 2071	7 A(516) 2072	7 K(516) 0937	7 C(501) ↑	7 A(509) ↑	NOT TOOLED	7 A ↑ 7067
8	8 A(501) 2081	8 A(516) 2082	8 K(516) 0938	8 C(501) ↑	8 A(509) ↑	↑	8 A 38-00-7068
9	9 A(501) 2091	9 A(516) 2092	9 K(516) 0939	9 C(501) ↑	9 A(509) ↑	↑	9 A NOT TOOLED
10	10 A(501) 2101	10 A(516) 2102	10 K(516) 0940	10 C(501) ↑	10 A(509) ↑	↑	10 A NOT TOOLED
11	11 A(501) 2111	11 A(516) 2112	11 K(516) 0941	11 C(501) ↑	11 A(509) ↑	↑	11 A NOT TOOLED
12	12 A(501) 2121	12 A(516) 2122	12 K(516) 0942	12 C(501) ↑	12 A(509) ↑	↑	12 A 38-00-7072
13	13 A(501) 2131	13 A(516) 2132	13 K(516) 0943	13 C(501) ↑	13 A(509) ↑	↑	13 A NOT TOOLED
14	14 A(501) 2141	14 A(516) 2142	14 K(516) 0944	14 C(501) ↑	14 A(509) ↑	↑	14 A 38-00-7074
15	15 A(501) 2151	15 A(516) 2152	15 K(516) 0945	15 C(501) ↑	15 A(509) ↑	↑	15 A NOT TOOLED
16	16 A(501) 2161	16 A(516) 2162	16 K(516) 0946	16 C(501) ↑	16 A(509) ↑	↑	16 A ↑
17	17 A(501) 2171	17 A(516) 2172	17 K(516) 0947	17 C(501) ↑	17 A(509) ↑	↑	17 A ↑
18	18 A(501) 2181	18 A(516) 2182	18 K(516) 0948	18 C(501) ↑	18 A(509) ↑	↑	18 A ↓
19	19 A(501) 2191	19 A(516) 2192	19 K(516) 0949	19 C(501) ↑	19 A(509) ↑	↑	19 A NOT TOOLED
20	20 A(501) 2201	20 A(516) 2202	20 K(516) 0950	20 C(501) ↑	20 A(509) ↑	↑	20 A 38-00-7080
21	21 A(501) 2211	21 A(516) 2212	21 K(516) 0951	21 C(501) ↑	21 A(509) ↑	↑	21 A NOT TOOLED
22	22 A(501) 2221	22 A(516) 2222	22 K(516) 0952	22 C(501) ↑	22 A(509) ↑	↑	22 A NOT TOOLED
23	23 A(501) 2231	23 A(516) 2232	23 K(516) 0953	23 C(501) ↑	23 A(509) ↑	↑	23 A NOT TOOLED
24	24 A(501) 2241	24 A(516) 2242	24 K(516) 0954	24 C(501) ↑	24 A(509) ↑	↑	24 A 38-00-0441
25	25 A(501) 2251	25 A(516) 2252	25 K(516) 0955	25 C(501) ↑	25 A(509) ↑	↑	25 A NOT TOOLED
26	26 A(501) 2261	26 A(516) 2262	26 K(516) 0956	26 C(501) ↑	26 A(509) ↑	↑	26 A ↓
27	27 A(501) 2271	27 A(516) 2272	27 K(516) 0957	27 C(501) ↑	27 A(509) ↑	↑	27 A(503) ↑
28	AE-6410-294509 22-29-2281	AE-6410-294516 22-29-2282	AE-6410-294516 38-00-0958	AE-6410-294509 NOT TOOLED	AE-6410-294509 NOT TOOLED	NOT TOOLED	AE-6410-294503 NOT TOOLED

SEE SHEET 1 EC NO: E2009-043 2009/02/24 DRW: BMAGUIRE CHKD: BMAGUIRE APPR: BMAGUIRE 2009/02/24 DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0 ▽=0	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .014 1 PLACE ± 0.35 ± --- ANGULAR ± .5 °	MM/MIN	4:1	METRIC	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY T. MAHON DATE 28/01/03 CHECKED BY BMAGUIRE DATE 28/01/03 APPROVED BY JDENNEHY DATE 2005/03/11	TITLE	WAFER, FRICTION LOCK KK (2.54)/.100 FOR (0.64)/.025 SQ. PINS	
			MATERIAL NO. DOCUMENT NO. SEE CHART SDAE-6410-N	MOLEX INCORPORATED MOLEX INCORPORATED	SHEET NO. 3 OF 4	

10 9 8 7 6 5 4 3 2 1

VOIDED OPTION

PART No.	ENG No.	CKT SIZE	VOID LOCATION	DIM A	DIM B	DIM D
38-00-7222	A-6410-3A-2	3	2	(5.08 ±0.10) / .200 ±.004	(7.62) / .300	(7.50) / .295
4749	-4A-3	4	3	(7.62 ±0.13) / .300 ±.005	(10.16) / .400	(7.50) / .295
0611	-5A-3	5	3	(10.16 ±0.13) / .400 ±.005	(12.70) / .500	(7.50) / .295
0089	-6A-3	6	3	(12.70 ±0.13) / .500 ±.005	(15.24) / .600	(7.50) / .295
0090	-6A-51	6	3,4,5	(12.70 ±0.13) / .500 ±.005	(15.24) / .600	(7.50) / .295
5370	-15A-02	15	2	(35.56 ±0.13) / 1.400 ±.005	(38.10) / 1.500	(7.50) / .295
5371	-19A-12	19	12	(45.72 ±0.15) / 1.800 ±.006	(48.26) / 1.900	(7.50) / .295
7688	-12A-09	12	9	(27.94 ±0.13) / 1.100 ±.005	(30.48) / 1.200	(7.50) / .295

ADD VOIDED OPTION EEC NO: E2009-0413 DRAWN: BMAGUIRE CHYD: 2009/02/24 APPR: BMAGUIRE 2009/02/24	QUALITY SYMBOLS ▽=0 ▽=0	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	
		4 PLACES	± ---	± ---	CHECKED BY BMAGUIRE	DATE 28/01/03		
		3 PLACES	± ---	± .010	APPROVED BY JDENNEHY		DATE 2005/03/11	MOLEX INCORPORATED SDAE-6410-N
2 PLACES	± 0.25	± .014	MATERIAL NO. SEE TABLE		DOCUMENT NO.	SHEET NO. 4 OF 4		
1 PLACE	± 0.35	± ---	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			
ANGULAR ± .5 °								

9 8 7 6 5 4 3 2 1