

13 12 11 10 9 8 7 6 5 4 3 2 1

J

I

H

G

F

E

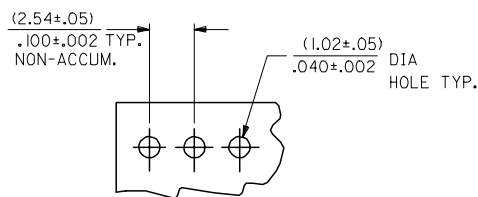
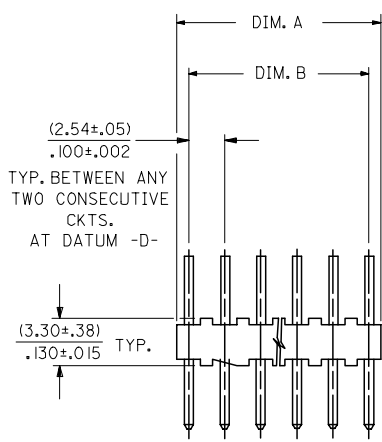
D

C

B

A

CENTERLINE OF PIN IN AREA SHOWN
NOT TO VARY FROM CENTERLINE
OF PIN AT DATUM -E- BY
MORE THAN (0.20)/.008 IN ANY DIRECTION



RECOMMENDED P.C. BOARD HOLE DIMENSIONS

NOTES:

1. MATERIAL: NYLON, UL 94V-0, COLOR: WHITE
2. FINISH:
 - (102) OVERALL TIN: 0.00508/.000200 MIN. OVER COPPER UNDERPLATE: 0.00254/.000100 MIN. OVERALL TIN: 0.00508/.000200 MIN. OVER COPPER UNDERPLATE: 0.00127/.000050 MIN.
 - (103) OVERALL GOLD: 0.00051/.000020 MIN. OVER NICKEL UNDERPLATE: 0.00076/.000030 MIN. OVERALL GOLD: 0.00076/.000030 MIN. OVER NICKEL UNDERPLATE: 0.00127/.000050 MIN.
 - (501) OVERALL GOLD: 0.00076/.000030 MIN. OVER NICKEL UNDERPLATE: 0.00076/.000030 MIN. OVER NICKEL UNDERPLATE: 0.00127/.000050 MIN.
 - (503) OVERALL GOLD: 0.00076/.000030 MIN. OVER NICKEL UNDERPLATE: 0.00076/.000030 MIN. OVER NICKEL UNDERPLATE: 0.00127/.000050 MIN.
 - (508) OVERALL GOLD: 0.00076/.000030 MIN. OVER NICKEL UNDERPLATE: 0.00076/.000030 MIN. OVER NICKEL UNDERPLATE: 0.00127/.000050 MIN.
 - (516) OVERALL GOLD: 0.00025/.000010 MIN. OVER NICKEL UNDERPLATE: 0.00076/.000030 MIN. OVER NICKEL UNDERPLATE: 0.00127/.000050 MIN.
3. PARTS CONFORM TO PRODUCT SPECIFICATION PS-10-07.
4. PACKAGING INFORMATION: SEE LEGEND.
5. PINS MUST CONFORM TO SOLDERABILITY SPECIFICATION SMES-152.
6. PIN PUSHOUT FORCE: 2 LBS. MIN.
7. PARTS ARE STACKABLE END TO END AND SIDE TO SIDE ON (2.54)/.100 CENTERS.
8. THE PRIMARY SHIPPING CARTON WILL BE LABELED, "COMPLIANT TO ROHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC." CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD PLATING.

VERSION
LETTER CHANGES WHEN PIN
NO. OR PRESS DIM. CHANGES.

PLATING CODE
PER SDES-88.

A-4094-N * * *
NO. OF CKTS.

SECONDARY OPERATIONS	
CODE	PACKAGE
BLANK	BULK PER PK-4094-001
A	PK-40873-0020

UPDATE PER ECN EC NO: UCP2005-2329 DRAWN BY: 2005/07/26 CHKD: SCHMIDT 2005/07/27 APPR: FSI TH	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY	DATE	TITLE WAFER ASSY FLAT MINI KK (4030 WITH BENT PINS) 4094 SERIES DRAWING		
			4 PLACES	± ---	± ---	KSS	1984/09/10			
			3 PLACES	± ---	± .005	CHECKED BY	DATE			
			2 PLACES	± 0.13	± .01	NP	1984/09/10			
			1 PLACE	± 0.25	± ---	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED		
			ANGULAR ±1/2°		KJA	1984/09/10				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART		DOCUMENT NO. SDA-4094			
			AD1	REV		SIZE		SHEET NO. 1 OF 14		
						C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

CKTS. NO. OF	DIM. B	DIM. A
2	.100 ± .002 (2.54 ± .05)	.190 ± .008 (4.83 ± .20)
3	.200 ± .005 (5.08 ± .13)	.290 ± .008 (7.37 ± .20)
4	.300 ± .005 (7.62 ± .13)	.390 ± .008 (9.91 ± .20)
5	.400 ± .005 (10.16 ± .13)	.490 ± .008 (12.45 ± .20)
6	.500 ± .006 (12.70 ± .15)	.590 ± .009 (14.99 ± .23)
7	.600 ± .006 (15.24 ± .15)	.690 ± .009 (17.53 ± .23)
8	.700 ± .006 (17.78 ± .15)	.790 ± .009 (20.07 ± .23)
9	.800 ± .007 (20.32 ± .18)	.890 ± .010 (22.61 ± .25)
10	.900 ± .007 (22.86 ± .18)	.990 ± .010 (25.15 ± .25)
11	1.000 ± .007 (25.40 ± .18)	1.090 ± .010 (27.69 ± .25)
12	1.100 ± .008 (27.94 ± .20)	1.190 ± .011 (30.23 ± .28)
13	1.200 ± .008 (30.48 ± .20)	1.290 ± .011 (32.77 ± .28)
14	1.300 ± .008 (33.02 ± .20)	1.390 ± .011 (35.31 ± .28)
15	1.400 ± .008 (35.56 ± .20)	1.490 ± .011 (37.85 ± .28)
16	1.500 ± .008 (38.10 ± .20)	1.590 ± .011 (40.39 ± .28)
17	1.600 ± .009 (40.64 ± .23)	1.690 ± .012 (42.93 ± .30)
18	1.700 ± .009 (43.18 ± .23)	1.790 ± .012 (45.47 ± .30)
19	1.800 ± .009 (45.72 ± .23)	1.890 ± .012 (48.01 ± .30)
20	1.900 ± .009 (48.26 ± .23)	1.990 ± .012 (50.55 ± .30)
21	2.000 ± .010 (50.80 ± .25)	2.090 ± .013 (53.09 ± .33)
22	2.100 ± .010 (53.34 ± .25)	2.190 ± .013 (55.63 ± .33)
23	2.200 ± .010 (55.88 ± .25)	2.290 ± .013 (58.17 ± .33)
24	2.300 ± .010 (58.42 ± .25)	2.390 ± .013 (60.71 ± .33)
25	2.400 ± .011 (60.96 ± .28)	2.490 ± .014 (63.25 ± .36)
26	2.500 ± .011 (63.50 ± .28)	2.590 ± .014 (65.79 ± .36)
27	2.600 ± .011 (66.04 ± .28)	2.690 ± .014 (68.33 ± .36)
28	2.700 ± .011 (68.58 ± .28)	2.790 ± .014 (70.87 ± .36)

14	AD1
13	AD1
12	AD1
11	AD1
10	AD1
9	AD1
8	AD1
7	AD1
6	AD1
5	AD1
4	AD1
3	AD1
2	AD1
1	AD1
SHEET REV.	

12 11 10 9 8 7 6 5 4 3 2 1

	13	12	11	10	9	8	7	6	5	4	3	2	1	
	A-4094-NA I02		A-4094-NA50 I		A-4094-NAB I02		A-4094-NAC I02		A-4094-NAJ I02		A-4094-NAL I02			
J	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.	J	
	22-05-202 I	A-4094-2A I02	22-12-202 I	A-4094-2A50 I	22-05-2026	A-4094-2AB I02		A-4094-2AC I02		A-4094-2AJ I02	22-05-2027	A-4094-2AL I02		
	22-05-203 I	A-4094-3A I02	22-12-203 I	A-4094-3A50 I	22-05-2036	A-4094-3AB I02		A-4094-3AC I02		A-4094-3AJ I02	22-05-2037	A-4094-3AL I02		
	22-05-204 I	A-4094-4A I02	22-12-204 I	A-4094-4A50 I	22-05-2046	A-4094-4AB I02		A-4094-4AC I02		A-4094-4AJ I02	22-05-2047	A-4094-4AL I02		
I	22-05-205 I	A-4094-5A I02	22-12-205 I	A-4094-5A50 I	22-05-2056	A-4094-5AB I02		A-4094-5AC I02		A-4094-5AJ I02	22-05-2057	A-4094-5AL I02	I	
	22-05-206 I	A-4094-6A I02	22-12-206 I	A-4094-6A50 I	22-05-2066	A-4094-6AB I02		A-4094-6AC I02		A-4094-6AJ I02	22-05-2067	A-4094-6AL I02		
	22-05-207 I	A-4094-7A I02	22-12-207 I	A-4094-7A50 I	22-05-2076	A-4094-7AB I02		A-4094-7AC I02		A-4094-7AJ I02	22-05-2077	A-4094-7AL I02		
	22-05-208 I	A-4094-8A I02	22-12-208 I	A-4094-8A50 I	22-05-2086	A-4094-8AB I02		A-4094-8AC I02		A-4094-8AJ I02	22-05-2087	A-4094-8AL I02		
	22-05-209 I	A-4094-9A I02	22-12-209 I	A-4094-9A50 I	22-05-2096	A-4094-9AB I02		A-4094-9AC I02		A-4094-9AJ I02	22-05-2097	A-4094-9AL I02		
H	22-05-210 I	A-4094-10A I02	22-12-210 I	A-4094-10A50 I	22-05-2106	A-4094-10AB I02		A-4094-10AC I02		A-4094-10AJ I02	22-05-2107	A-4094-10AL I02	H	
	22-05-211 I	A-4094-11A I02	22-12-211 I	A-4094-11A50 I	22-05-2116	A-4094-11AB I02		A-4094-11AC I02		A-4094-11AJ I02	22-05-2117	A-4094-11AL I02		
	22-05-212 I	A-4094-12A I02	22-12-212 I	A-4094-12A50 I	22-05-2126	A-4094-12AB I02		A-4094-12AC I02		A-4094-12AJ I02	22-05-2127	A-4094-12AL I02		
	22-05-213 I	A-4094-13A I02	22-12-213 I	A-4094-13A50 I	22-05-2136	A-4094-13AB I02		A-4094-13AC I02		A-4094-13AJ I02	22-05-2137	A-4094-13AL I02		
	22-05-214 I	A-4094-14A I02	22-12-214 I	A-4094-14A50 I	22-05-2146	A-4094-14AB I02		A-4094-14AC I02		A-4094-14AJ I02	22-05-2147	A-4094-14AL I02		
	22-05-215 I	A-4094-15A I02	22-12-215 I	A-4094-15A50 I	22-05-2156	A-4094-15AB I02		A-4094-15AC I02		A-4094-15AJ I02	22-05-2157	A-4094-15AL I02		
G	22-05-216 I	A-4094-16A I02	22-12-216 I	A-4094-16A50 I	22-05-2166	A-4094-16AB I02		A-4094-16AC I02		A-4094-16AJ I02	22-05-2167	A-4094-16AL I02	G	
	22-05-217 I	A-4094-17A I02	22-12-217 I	A-4094-17A50 I	22-05-2176	A-4094-17AB I02		A-4094-17AC I02		A-4094-17AJ I02	22-05-2177	A-4094-17AL I02		
	22-05-218 I	A-4094-18A I02	22-12-218 I	A-4094-18A50 I	22-05-2186	A-4094-18AB I02		A-4094-18AC I02		A-4094-18AJ I02	22-05-2187	A-4094-18AL I02		
	22-05-219 I	A-4094-19A I02	22-12-219 I	A-4094-19A50 I	22-05-2196	A-4094-19AB I02		A-4094-19AC I02		A-4094-19AJ I02	22-05-2197	A-4094-19AL I02		
	22-05-220 I	A-4094-20A I02	22-12-220 I	A-4094-20A50 I	22-05-2206	A-4094-20AB I02		A-4094-20AC I02		A-4094-20AJ I02	22-05-2207	A-4094-20AL I02		
F	22-05-221 I	A-4094-21A I02	22-12-221 I	A-4094-21A50 I	22-05-2216	A-4094-21AB I02		A-4094-21AC I02		A-4094-21AJ I02	22-05-2217	A-4094-21AL I02	F	
	22-05-222 I	A-4094-22A I02	22-12-222 I	A-4094-22A50 I	22-05-2226	A-4094-22AB I02		A-4094-22AC I02		A-4094-22AJ I02	22-05-2227	A-4094-22AL I02		
	22-05-223 I	A-4094-23A I02	22-12-223 I	A-4094-23A50 I	22-05-2236	A-4094-23AB I02		A-4094-23AC I02		A-4094-23AJ I02	22-05-2237	A-4094-23AL I02		
	22-05-224 I	A-4094-24A I02	22-12-224 I	A-4094-24A50 I	22-05-2246	A-4094-24AB I02		A-4094-24AC I02		A-4094-24AJ I02	22-05-2247	A-4094-24AL I02		
	22-05-225 I	A-4094-25A I02	22-12-225 I	A-4094-25A50 I	22-05-2256	A-4094-25AB I02		A-4094-25AC I02		A-4094-25AJ I02	22-05-2257	A-4094-25AL I02		
	22-05-226 I	A-4094-26A I02	22-12-226 I	A-4094-26A50 I	22-05-2266	A-4094-26AB I02		A-4094-26AC I02		A-4094-26AJ I02	22-05-2267	A-4094-26AL I02		
E	22-05-227 I	A-4094-27A I02	22-12-227 I	A-4094-27A50 I	22-05-2276	A-4094-27AB I02		A-4094-27AC I02		A-4094-27AJ I02	22-05-2277	A-4094-27AL I02	E	
	22-05-228 I	A-4094-28A I02	22-12-228 I	A-4094-28A50 I	22-05-2286	A-4094-28AB I02		A-4094-28AC I02		A-4094-28AJ I02	22-05-2287	A-4094-28AL I02		
D													D	
C													C	
B													B	
A													A	
UPDATE TITLE BLOCK EC NO: UCP2005-2329 DRW:ADER CHKD: SCHM DT APPR:FSM TH 2005/07/26 2005/07/27 2005/07/27 DESCRIPTION REV QUALITY SYMBOLS ▽=0 ▽=0 GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DIMENSION STYLE MM/IN DRAWN BY DATE KSS 1984/09/10 CHECKED BY DATE NP 1984/09/10 APPROVED BY DATE KJA 1984/09/10 MATERIAL NO. SIZE C SCALE --- DESIGN UNITS INCH THIRD ANGLE PROJECTION WAFER ASSY FLAT MINI KK (4030 WITH BENT PINS) 4094 SERIES DRAWING MOLEX MOLEX INCORPORATED DOCUMENT NO. SDA-4094 SHEET NO. 4 OF 14 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
tb_frame_C_P_ME_T Rev. D 2004/04/02	12	11	10	9	8	7	6	5	4	3	2	1		