

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

DIM. W
TYP. REF.

DIM. X
TYP. (± 1.02)
 $\pm .040$

DIM. G
GOLD

R (0.64)
.025
TYP.

DIM. L
TYP. REF.

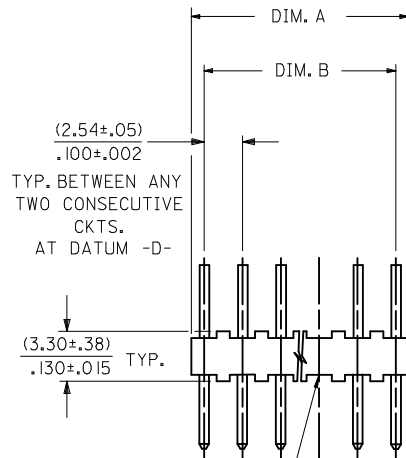
DIM. Y
TYP. $(\pm .51)$
 $\pm .020$

DIM. T
TIN

DIM. Z
TYP. REF.

(1.18 $\pm$ 0.25)
.047 $\pm$.010 TYP.

(1.3)
.05
CENTERLINE OF PIN IN AREA SHOWN
NOT TO VARY FROM CENTERLINE
OF PIN AT DATUM -D- BY
MORE THAN (0.13)/.005 IN ANY DIRECTION



OPTIONAL VOIDED CIRCUIT
SEE CHART FOR LOCATION

(2.54 $\pm$.05)
.100 $\pm$.002 TYP.
NON-ACCUM.
(1.02 $\pm$.05)
.040 $\pm$.002 DIA
HOLE TYP.

PCB LAYOUT: COMPONENT SIDE
TYPICAL PCB THICKNESS: (1.57)/.062

A-4094-N * * *- *
NO. OF CKTS. * * *- *
VERSION * * *- *
LETTER CHANGES WHEN PIN
NO. OR PRESS DIM. CHANGES.
PLATING CODE * * *- *
SEE NOTE 2

VOID CODE
BLANK = NO VOIDS
NO. = CIRCUIT NO. VOIDED
MULTIPLE VOIDS START WITH 51

SECONDARY OPERATIONS	
CODE	PACKAGE
BLANK	BULK PER PK-4094-001

- NOTES:
1. MATERIAL: NYLON, UL 94V-0, COLOR: WHITE
 2. FINISH:
(241) SELECT GOLD: 0.00051/.000020 MIN.
SELECT TIN: 0.00254/.000100 MIN.
OVERALL NICKEL UNDERPLATE: 0.00127/.000050 MIN.
(197) OVERALL REFLOWED MATTE TIN: 0.00152/.000060 MIN.
OVER 0.00127/.000050 MIN. NICKEL OVERALL.
 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. PARTS CONFORM TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION
PS-45499-002.
 9. TEXT ON PART IS FOR REFERENCE ONLY. TEXT AND TEXT
LOCATION MAY VARY DEPENDING ON PART NUMBER AND/OR TOOL.

CKTS. NO. OF	DIM. B	DIM. A
2	.100 $\pm$.002 (2.54 $\pm$.05)	.190 $\pm$.008 (4.83 $\pm$.20)
3	.200 $\pm$.005 (5.08 $\pm$.13)	.290 $\pm$.008 (7.37 $\pm$.20)
4	.300 $\pm$.005 (7.62 $\pm$.13)	.390 $\pm$.008 (9.91 $\pm$.20)
5	.400 $\pm$.005 (10.16 $\pm$.13)	.490 $\pm$.008 (12.45 $\pm$.20)
6	.500 $\pm$.006 (12.70 $\pm$.15)	.590 $\pm$.009 (14.99 $\pm$.23)
7	.600 $\pm$.006 (15.24 $\pm$.15)	.690 $\pm$.009 (17.53 $\pm$.23)
8	.700 $\pm$.006 (17.78 $\pm$.15)	.790 $\pm$.009 (20.07 $\pm$.23)
9	.800 $\pm$.007 (20.32 $\pm$.18)	.890 $\pm$.010 (22.61 $\pm$.25)
10	.900 $\pm$.007 (22.86 $\pm$.18)	.990 $\pm$.010 (25.15 $\pm$.25)
11	1.000 $\pm$.007 (25.40 $\pm$.18)	1.090 $\pm$.010 (27.69 $\pm$.25)
12	1.100 $\pm$.008 (27.94 $\pm$.20)	1.190 $\pm$.011 (30.23 $\pm$.28)
13	1.200 $\pm$.008 (30.48 $\pm$.20)	1.290 $\pm$.011 (32.77 $\pm$.28)
14	1.300 $\pm$.008 (33.02 $\pm$.20)	1.390 $\pm$.011 (35.31 $\pm$.28)
15	1.400 $\pm$.008 (35.56 $\pm$.20)	1.490 $\pm$.011 (37.85 $\pm$.28)
16	1.500 $\pm$.008 (38.10 $\pm$.20)	1.590 $\pm$.011 (40.39 $\pm$.28)

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NOTE 9 ADDED
EC NO: UCP2017-2793
DRAWINGS
CHKD: 2017/06/29
APPR: ISHWARG
2017/07/28

REV
AE3

QUALITY
SYMBOLS
▽=0
▽=0
▽=0

DESCRIPTION

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	$\pm$ ---	$\pm$ ---
3 PLACES	$\pm$ ---	$\pm$.005
2 PLACES	$\pm$ 0.13	$\pm$.01
1 PLACE	$\pm$ 0.25	$\pm$ ---
0 PLACE	$\pm$ ---	$\pm$ ---

ANGULAR $\pm 1/2^\circ$

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM/IN

DRAWN BY KSS	DATE 1984/09/10
CHECKED BY NP	DATE 1984/09/10
APPROVED BY FSMITH	DATE 2014/08/05

MATERIAL NO.
SEE CHART

SIZE
C

SCALE

DESIGN UNITS
INCH

THIRD ANGLE
PROJECTION

TITLE
WAFER ASSY FLAT MINI KK
(4030 WITH BENT PINS)
4094 SERIES DRAWING
molex

DOCUMENT NO.
SDA-4094

SHEET NO.
1 OF 3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX.
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

	13	12	11	10		9	8	7	6	5	4	3	2	1		
J	ENG. NO.	PIN NO.	DIM. L	DIM. X	DIM. Z	DIM. Y	DIM. W	DIM. G	DIM. T							J
	A-4094-NA197	42663-0562	(17.53) .690	(9.37) .369	(3.15) .124	(6.30) .248	90°	N/A	OVERALL							
I	A-4094-NA241	42663-0563	(17.53) .690	(9.37) .369	(3.15) .124	(6.30) .248	90°	(5.08) .200	(3.43) .135							I
	A-4094-NAJ197	42663-0862	(21.34) .840	(10.13) .399	(4.09) .161	(8.41) .331	90°	N/A	OVERALL							
	A-4094-NAP197	42663-0562	(17.53) .690	(8.48) .334	(3.78) .149	(6.55) .258	90°	N/A	OVERALL							
	A-4094-NBT197	42663-0182	(12.70) .500	(6.38) .251	(2.79) .110	(4.78) .188	90°	N/A	OVERALL							
H	A-4094-NDS197	42663-1182	(25.40) 1.000	(17.00) .669	(3.38) .133	(6.30) .248	90°	N/A	OVERALL							H
G															G	
F															F	
E															E	
D															D	
C															C	
B															B	
A															A	
lb_frame_C_P_AM_T Rev. G 2012/01/11																

SEE SHEET 1 EC NO: UCP2017-2793 2017/06/29 DRAWN:GES CHKD: APPR:ISHWARG 2017/07/28 REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
		 	=0 =0 =0 =0 =0	mm	INCH	DRAWN BY KSS	DATE 1984/09/10	TITLE WAFER ASSY FLAT MINI KK (4030 WITH BENT PINS) 4094 SERIES DRAWING molex			
				4 PLACES	± ---	± ---	CHECKED BY NP		DATE 1984/09/10		
				3 PLACES	± ---	±.005	APPROVED BY FSMITH		DATE 2014/08/05		
				2 PLACES	±0.13	±.01	MATERIAL NO.				
				1 PLACE	±0.25	±---	DOCUMENT NO.				
		0 PLACE	±---	±---	SHEET NO.						
		ANGULAR ±1/2°			SEE CHART		SDA-4094		2 OF 3		
		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						

	13	12	11	10	9	8	7	6	5	4	3	2	1																																																																							
J	A-4094-NA197		A-4094-NA241			A-4094-NAJ197		A-4094-NAP197		A-4094-NBT197				J																																																																						
	PART NO.	ENG. NO.	PART NO.	ENG. NO.	VOID CIRCUIT	PART NO.	ENG. NO.	PART NO.	ENG. NO.	PART NO.	ENG. NO.																																																																									
	22-05-202I	A-4094-2A197	22-I2-202I	A-4094-2A 241			A-4094-2AJ197	22-05-3022	A-4094-2AP197	22-05-3020	A-4094-2BT197																																																																									
I	22-05-203I	A-4094-3A197	22-I2-203I	A-4094-3A 241		22-05-3038	A-4094-3AJ197	22-05-3032	A-4094-3AP197	22-05-3030	A-4094-3BT197			I																																																																						
	22-05-204I	A-4094-4A197	22-I2-204I	A-4094-4A 241		22-05-3048	A-4094-4AJ197	22-05-3042	A-4094-4AP197	22-05-3040	A-4094-4BT197																																																																									
	22-05-205I	A-4094-5A197	22-I2-205I	A-4094-5A 241		22-05-3058	A-4094-5AJ197	22-05-3052	A-4094-5AP197	22-05-3050	A-4094-5BT197																																																																									
	22-05-206I	A-4094-6A197	22-I2-206I	A-4094-6A 241		22-05-3068	A-4094-6AJ197	22-05-3062	A-4094-6AP197	22-05-3060	A-4094-6BT197																																																																									
	22-05-207I	A-4094-7A197	22-I2-207I	A-4094-7A 241		22-05-3078	A-4094-7AJ197	22-05-3072	A-4094-7AP197	22-05-3070	A-4094-7BT197																																																																									
	22-05-208I	A-4094-8A197	22-I2-208I	A-4094-8A 241		22-05-3088	A-4094-8AJ197	22-05-3082	A-4094-8AP197	22-05-3080	A-4094-8BT197																																																																									
	22-05-209I	A-4094-9A197	22-I2-209I	A-4094-9A 241		22-05-3098	A-4094-9AJ197	22-05-3092	A-4094-9AP197	22-05-3090	A-4094-9BT197																																																																									
H	22-05-2I0I	A-4094-I0A197	22-I2-2I0I	A-4094-I0A 241		22-05-3I08	A-4094-I0AJ197	22-05-3I02	A-4094-I0AP197	22-05-3I00	A-4094-I0BT197			H																																																																						
	22-05-2I1I	A-4094-I1A 197	22-I2-2I1I	A-4094-I1A 241		22-05-3I18	A-4094-I1AJ 197	22-05-3I12	A-4094-I1AP197	22-05-3I10	A-4094-I1BT 197																																																																									
	22-05-2I2I	A-4094-I2A197	22-I2-2I2I	A-4094-I2A241		22-05-3I28	A-4094-I2AJ197	22-05-3I22	A-4094-I2AP197	22-05-3I20	A-4094-I2BT197																																																																									
	22-05-2I3I	A-4094-I3A197	22-I2-2I3I	A-4094-I3A241		22-05-3I38	A-4094-I3AJ197	22-05-3I32	A-4094-I3AP197	22-05-3I30	A-4094-I3BT197																																																																									
	22-05-2I4I	A-4094-I4A197	22-I2-2I4I	A-4094-I4A241		22-05-3I48	A-4094-I4AJ197	22-05-3I42	A-4094-I4AP197	22-05-3I40	A-4094-I4BT197																																																																									
	22-05-2I5I	A-4094-I5A197	22-I2-2I5I	A-4094-I5A241		22-05-3I58	A-4094-I5AJ197	22-05-3I52	A-4094-I5AP197	22-05-3I50	A-4094-I5BT197																																																																									
	22-05-2I6I	A-4094-I6A197	22-I2-2I6I	A-4094-I6A241		22-05-3I68	A-4094-I6AJ197	22-05-3I62	A-4094-I6AP197	22-05-3I60	A-4094-I6BT197																																																																									
G			22-19-2054	A-4094-5A241-2	2									G																																																																						
F	A-4094-NDS197													F																																																																						
	PART NO.	ENG. NO.																																																																																		
	22-06-302I	A-4094-02DS197																																																																																		
E	22-06-303I	A-4094-03DS197												E																																																																						
	22-06-304I	A-4094-04DS197																																																																																		
	22-06-305I	A-4094-05DS197																																																																																		
	22-06-306I	A-4094-06DS197																																																																																		
	22-06-307I	A-4094-07DS197																																																																																		
	22-06-308I	A-4094-08DS197																																																																																		
	22-06-309I	A-4094-09DS197																																																																																		
D	22-06-3I0I	A-4094-I0DS197												D																																																																						
	22-06-3I1I	A-4094-I1DS 197																																																																																		
	22-06-3I2I	A-4094-I2DS 197																																																																																		
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B														B																																																																						
A														A																																																																						
<table><tr><td rowspan="10">SEE SHEET 1 EC NO: UCP2017-2793 DRAWNGES 2017/06/29 CHKD: SHWARG APPR: 2017/07/28</td><td rowspan="10">REV</td><td rowspan="10">DESCRIPTION</td><td>QUALITY SYMBOLS</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE</td><td>SCALE</td><td>DESIGN UNITS</td><td colspan="2">THIRD ANGLE PROJECTION</td></tr><tr><td rowspan="5">=0 =0 =0</td><td colspan="2">MM/IN</td><td>DRAWN BY</td><td>DATE</td><td rowspan="5">TITLE</td><td rowspan="5">WAFER ASSY FLAT MINI KK (4030 WITH BENT PINS) 4094 SERIES DRAWING</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td><td>KSS</td><td>1984/09/10</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>±.005</td><td>CHECKED BY</td><td>DATE</td></tr><tr><td>2 PLACES</td><td>± 0.13</td><td>±.01</td><td>NP</td><td>1984/09/10</td></tr><tr><td>1 PLACE</td><td>± 0.25</td><td>± ---</td><td>APPROVED BY</td><td>DATE</td></tr><tr><td>0 PLACE</td><td>± ---</td><td>± ---</td><td>FSMITH</td><td>2014/08/05</td><td rowspan="3">molex</td></tr><tr><td colspan="2">ANGULAR ±1/2°</td><td colspan="2">MATERIAL NO.</td><td colspan="2">DOCUMENT NO.</td></tr><tr><td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2">SEE CHART</td><td colspan="2">SDA-4094</td></tr><tr><td colspan="2">SIZE C</td><td colspan="10">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr></table>														SEE SHEET 1 EC NO: UCP2017-2793 DRAWNGES 2017/06/29 CHKD: SHWARG APPR: 2017/07/28	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		=0 =0 =0	MM/IN		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	0 PLACE	± ---	± ---	FSMITH	2014/08/05	molex	ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SDA-4094		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
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