

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)
±.040

DIM. G
GOLD

R (0.64)
.025
TYP.

DIM. L
TYP. REF.

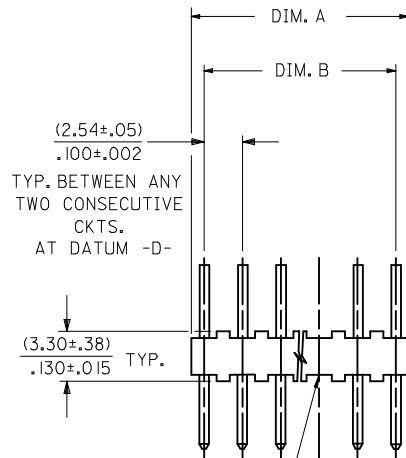
DIM. Y
TYP. (±.5 I)
±.020

DIM. Z
TYP. REF.

DIM. T
TIN

(1.18±0.25)
.047±.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



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

NOTES:

1. MATERIAL: NYLON, UL 94V-0, COLOR: WHITE
2. FINISH:
 - (24) 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.

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

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)

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

QUALITY
SYMBOLS
▽=0
▽=0
▽=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±.005	±.005
3 PLACES	±.005	±.005
2 PLACES	±.013	±.01
1 PLACE	±.025	±.01
0 PLACE	±.025	±.01

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
FSMITH 2014/08/05

MATERIAL NO.
SEE CHART

SIZE
C

SCALE

INCH

DESIGN UNITS
INCH

THIRD ANGLE
PROJECTION

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

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: AE3	DESCRIPTION 2017/07/28 APPR:ISHWARG	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
		 =0  =0  =0	4 PLACES ± --- ± --- 3 PLACES ± --- ±.005 2 PLACES ± 0.13 ±.01 1 PLACE ± 0.25 ± --- 0 PLACE ± --- ± ---	mmINCH	DRAWN BY	DATE	TITLE WAFER ASSY FLAT MINI KK (4030 WITH BENT PINS) 4094 SERIES DRAWING molex			
					CHECKED BY	DATE				
					APPROVED BY	DATE				
					MATERIAL NO.			DOCUMENT NO.		
					SHEET NO.					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SDA-4094		2 OF 3		
		ANGULAR ±1/2°		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																																																																											
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	22-06-3I1I	A-4094-I1DS 197																																																																											
	22-06-3I2I	A-4094-I2DS 197																																																																											
	22-06-3I3I	A-4094-I3DS 197																																																																											
C	22-06-3I4I	A-4094-I4DS 197												C																																																															
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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: 2017/07/28 APPR: ISHWARG</td><td rowspan="10">DESCRIPTION REV</td><td>QUALITY SYMBOLS</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE MM/IN</td><td colspan="2">SCALE ---</td><td>DESIGN UNITS INCH</td><td colspan="2">THIRD ANGLE PROJECTION</td></tr><tr><td rowspan="5"></td><td>mm</td><td>INCH</td><td>DRAWN BY</td><td>DATE</td><td rowspan="5">TITLE 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">MATERIAL NO. SEE CHART</td><td rowspan="3">DOCUMENT NO. SDA-4094</td><td rowspan="3">SHEET NO. 3 OF 3</td></tr><tr><td colspan="2">ANGULAR ±1/2°</td></tr><tr><td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td></tr><tr><td colspan="2">SIZE </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: 2017/07/28 APPR: ISHWARG	DESCRIPTION REV	QUALITY SYMBOLS	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	0 PLACE	± ---	± ---	FSMITH	2014/08/05	MATERIAL NO. SEE CHART	DOCUMENT NO. SDA-4094	SHEET NO. 3 OF 3	ANGULAR ±1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE 		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
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