

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.

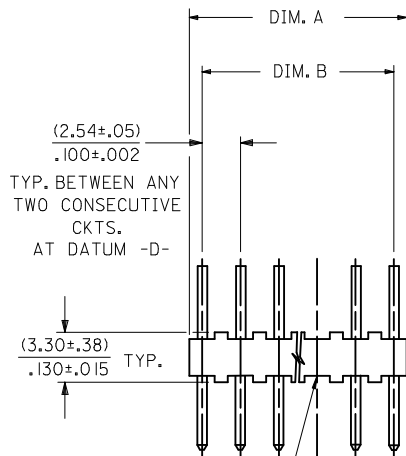
DIM. Y
TYP. (±.51)
±.020

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



OPTIONAL VOIDED CIRCUIT
SEE CHART FOR LOCATION

(2.54±.05) / .100±.002 TYP. NON-ACCUM.
(1.02±.05) / .040±.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.

NOTE 9 ADDED
EC NO: UCP2017-2793
DRAWINGS
CHKD: 2017/06/29
APPR: ISHWARG
2017/07/28
REV
AE3

QUALITY
SYMBOLS
▽=0
▽=0
▽=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ±.005
2 PLACES ± 0.13 ±.01
1 PLACE ± 0.25 ± ---
0 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
FSMITH 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							
	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							I
	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	

	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				
	22-05-203I	A-4094-3A197	22-I2-203I	A-4094-3A 241			A-4094-3AJ197	22-05-3038	A-4094-3AP197	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			A-4094-4AJ197	22-05-3048	A-4094-4AP197	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			A-4094-5AJ197	22-05-3058	A-4094-5AP197	22-05-3052	A-4094-5AP197	22-05-3050	A-4094-5BT197		
I	22-05-206I	A-4094-6A197	22-I2-206I	A-4094-6A 241			A-4094-6AJ197	22-05-3068	A-4094-6AP197	22-05-3062	A-4094-6AP197	22-05-3060	A-4094-6BT197	I	
	22-05-207I	A-4094-7A197	22-I2-207I	A-4094-7A 241			A-4094-7AJ197	22-05-3078	A-4094-7AP197	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			A-4094-8AJ197	22-05-3088	A-4094-8AP197	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			A-4094-9AJ197	22-05-3098	A-4094-9AP197	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			A-4094-I0AJ197	22-05-3I08	A-4094-I0AP197	22-05-3I02	A-4094-I0AP197	22-05-3I00	A-4094-I0BT197		
	22-05-2I1I	A-4094-I1A 197	22-I2-2I1I	A-4094-I1A 241			A-4094-I1AJ 197	22-05-3I18	A-4094-I1AP197	22-05-3I12	A-4094-I1AP197	22-05-3I10	A-4094-I1BT 197		
H	22-05-2I2I	A-4094-I2A197	22-I2-2I2I	A-4094-I2A241			A-4094-I2AJ197	22-05-3I28	A-4094-I2AP197	22-05-3I22	A-4094-I2AP197	22-05-3I20	A-4094-I2BT197	H	
	22-05-2I3I	A-4094-I3A197	22-I2-2I3I	A-4094-I3A241			A-4094-I3AJ197	22-05-3I38	A-4094-I3AP197	22-05-3I32	A-4094-I3AP197	22-05-3I30	A-4094-I3BT197		
	22-05-2I4I	A-4094-I4A197	22-I2-2I4I	A-4094-I4A241			A-4094-I4AJ197	22-05-3I48	A-4094-I4AP197	22-05-3I42	A-4094-I4AP197	22-05-3I40	A-4094-I4BT197		
	22-05-2I5I	A-4094-I5A197	22-I2-2I5I	A-4094-I5A241			A-4094-I5AJ197	22-05-3I58	A-4094-I5AP197	22-05-3I52	A-4094-I5AP197	22-05-3I50	A-4094-I5BT197	G	
	22-05-2I6I	A-4094-I6A197	22-I2-2I6I	A-4094-I6A241			A-4094-I6AJ197	22-05-3I68	A-4094-I6AP197	22-05-3I62	A-4094-I6AP197	22-05-3I60	A-4094-I6BT197		
			22-19-2054	A-4094-5A241-2	2										
G														G	
F	A-4094-NDS197													F	
	PART NO.	ENG. NO.													
	22-06-302I	A-4094-02DS197													
	22-06-303I	A-4094-03DS197												E	
	22-06-304I	A-4094-04DS197													
	22-06-305I	A-4094-05DS197													
E	22-06-306I	A-4094-06DS197												E	
	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													
	22-06-3I1I	A-4094-I1DS 197													
D	22-06-3I2I	A-4094-I2DS 197												D	
	22-06-3I3I	A-4094-I3DS 197													
	22-06-3I4I	A-4094-I4DS 197													
	22-06-3I5I	A-4094-I5DS 197												C	
	22-06-3I6I	A-4094-I6DS197													
C														C	
B														B	
A														A	
SEE SHEET 1 EC NO: UCP2017-2793 2017/06/29 DRWN:GES CHKD: 2017/07/28 APPR:ISHWARG REV AE3 QUALITY SYMBOLS ▽=0 ▽=0 ▽=0 GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ±.005 2 PLACES ± 0.13 ±.01 1 PLACE ± 0.25 ± --- 0 PLACE ± --- ± --- ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DIMENSION STYLE MM/IN DRAWN BY DATE CHECKED BY DATE APPROVED BY DATE FSMITH2014/08/05 SCALE --- INCH DESIGN UNITS INCH THIRD ANGLE PROJECTION TITLE WAFER ASSY FLAT MINI KK (4030 WITH BENT PINS) 4094 SERIES DRAWING molex MATERIAL NO. SEE CHART DOCUMENT NO. SDA-4094 SHEET NO. 3 OF 3 SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
tb_frame_C_P_AM_T Rev. G 2012/01/11	12	11	10	9	8	7	6	5	4	3	2	1			