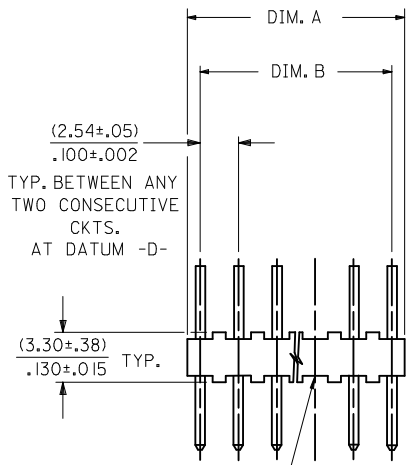
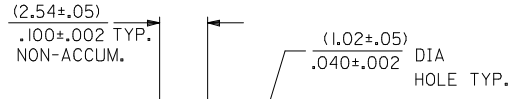


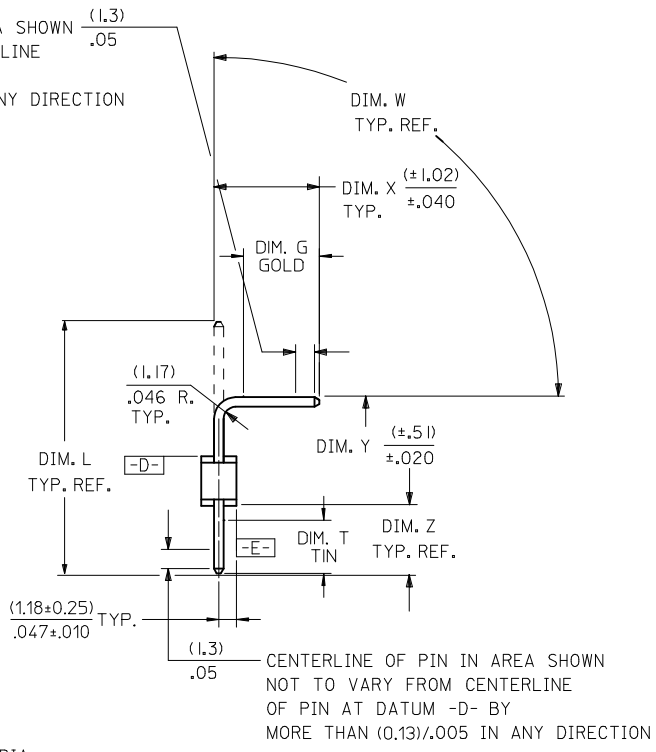
CENTERLINE OF PIN IN AREA SHOWN  
NOT TO VARY FROM CENTERLINE  
OF PIN AT DATUM -E- BY  
MORE THAN (0.20)/.008 IN ANY DIRECTION



OPTIONAL VOIDED CIRCUIT  
SEE CHART FOR LOCATION



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



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

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

NOTES:

- MATERIAL: NYLON, UL 94V-0, COLOR: WHITE
- FINISH:
  - (241) SELECT GOLD: 0.00051/0.00020 MIN. SELECT TIN: 0.00254/0.000100 MIN. OVERALL NICKEL UNDERPLATE: 0.00127/.000050 MIN.
  - (197) OVERALL REFLOWED MATTE TIN: 0.00152/0.000060 MIN. OVER 0.00127/.000050 MIN. NICKEL OVERALL.
- PARTS CONFORM TO PRODUCT SPECIFICATION PS-10-07.
- PACKAGING INFORMATION: SEE LEGEND.
- PINS MUST CONFORM TO SOLDERABILITY SPECIFICATION SMES-152.
- PIN PUSHOUT FORCE: 2 LBS. MIN.
- PARTS ARE STACKABLE END TO END AND SIDE TO SIDE ON (2.54)/.100 CENTERS.
- PARTS CONFORM TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

A-4094-N \* \* \*- \*  
NO. OF CKTS. \* \* \*- \*  
VERSION  
LETTER CHANGES WHEN PIN NO. OR PRESS DIM. CHANGES.

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

PLATING CODE  
SEE NOTE 2

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

ADD 22-19-2054  
EC NO: UCP2014-0456  
DRAWN: KIPPER 2014/02/14  
CHKD: BELLE 2014/02/14  
APPR: FSM/TH 2014/08/05

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)

|          | mm    | INCH   |
|----------|-------|--------|
| 4 PLACES | ±.005 | ±.0005 |
| 3 PLACES | ±.010 | ±.0010 |
| 2 PLACES | ±.013 | ±.0013 |
| 1 PLACE  | ±.025 | ±.0025 |
| 0 PLACE  | ±.050 | ±.0050 |

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SIZE C

| DIMENSION STYLE |            | SCALE  | DESIGN UNITS  | THIRD ANGLE PROJECTION |
|-----------------|------------|--|---|------------------------|
| MM/IN           |            | ---  | INCH  | ☉                      |
| DRAWN BY        | DATE       | TITLE  | WAFER ASSY FLAT MINI KK<br>(4030 WITH BENT PINS)<br>4094 SERIES DRAWING |                        |
| KSS             | 1984/09/10 | SEE CHART  | SDA-4094  |                        |
| CHECKED BY      | DATE       | DOCUMENT NO.   | SHEET NO.   |                        |
| NP              | 1984/09/10 |  | 1 OF 3  |                        |
| APPROVED BY     | DATE       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |   |                        |
| FSMITH          | 2014/08/05 |  |   |                        |

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

|  |  |                    |                 |                                       |                                 |                     |                     |  |   |                     |
|--|--|--------------------|-----------------|---------------------------------------|---------------------------------|---------------------|---------------------|--|---|---------------------|
| <b>SEE SHEET 1</b><br>EC NO: UCP2014-0456<br>DRAWN: KIPPER<br>CHKD: BELL<br>APPR: FSMITH | 2014/02/14<br>2014/02/14<br>2014/08/05               | DESCRIPTION<br>REV | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE                 | SCALE               | DESIGN UNITS        | THIRD ANGLE PROJECTION   |   |                     |
|  |  |                    | ▽=0             | mm INCH                               | MM/IN                           | ---                 | INCH                | DRAWN BY DATE<br>KSS 1984/09/10<br>CHECKED BY DATE<br>NP 1984/09/10<br>APPROVED BY DATE<br>FSMITH 2014/08/05 | TITLE<br><b>WAFER ASSY FLAT MINI KK</b><br><b>(4030 WITH BENT PINS)</b><br><b>4094 SERIES DRAWING</b><br><br><b>molex</b> |                     |
|  |  |                    | ▽=0             | 4 PLACES ± --- ± ---                  | 3 PLACES ± --- ±.005            | 2 PLACES ±0.13 ±.01 | 1 PLACE ±0.25 ± --- |  |   | 0 PLACE ± --- ± --- |
|  |  |                    | ▽=0             | ANGULAR ±1/2°                         |                                 |                     | MATERIAL NO.        |  |   | DOCUMENT NO.        |
| AE1  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                    |                 | SIZE C                                | SEE CHART<br>SDA-4094<br>2 OF 3 |                     |                     |  |   |                     |

|   | 13           | 12             | 11           | 10             | 9            | 8             | 7               | 6             | 5              | 4             | 3               | 2        | 1        |
|---|--------------|----------------|--------------|----------------|--------------|---------------|-----------------|---------------|----------------|---------------|-----------------|----------|----------|
|   | 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.        | PART NO. | ENG. NO. |
|   | 22-05-202I   | A-4094-2A197   | 22-12-202I   | 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   | 22-12-203I   | A-4094-3A 241  |              | 22-05-3038    | A-4094-3AJ197   | 22-05-3032    | A-4094-3AP197  | 22-05-3030    | A-4094-3BT197   |          |          |
|   | 22-05-204I   | A-4094-4A197   | 22-12-204I   | 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   | 22-12-205I   | A-4094-5A 241  |              | 22-05-3058    | A-4094-5AJ197   | 22-05-3052    | A-4094-5AP197  | 22-05-3050    | A-4094-5BT197   |          |          |
| I | 22-05-206I   | A-4094-6A197   | 22-12-206I   | 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   | 22-12-207I   | 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   | 22-12-208I   | 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   | 22-12-209I   | A-4094-9A 241  |              | 22-05-3098    | A-4094-9AJ197   | 22-05-3092    | A-4094-9AP197  | 22-05-3090    | A-4094-9BT197   |          |          |
|   | 22-05-210I   | A-4094-10A197  | 22-12-210I   | A-4094-10A 241 |              | 22-05-3108    | A-4094-10AJ197  | 22-05-3102    | A-4094-10AP197 | 22-05-3100    | A-4094-10BT197  |          |          |
| H | 22-05-211I   | A-4094-11A 197 | 22-12-211I   | A-4094-11A 241 |              | 22-05-3118    | A-4094-11AJ 197 | 22-05-3112    | A-4094-11AP197 | 22-05-3110    | A-4094-11BT 197 |          |          |
|   | 22-05-212I   | A-4094-12A197  | 22-12-212I   | A-4094-12A241  |              | 22-05-3128    | A-4094-12AJ197  | 22-05-3122    | A-4094-12AP197 | 22-05-3120    | A-4094-12BT197  |          |          |
|   | 22-05-213I   | A-4094-13A197  | 22-12-213I   | A-4094-13A241  |              | 22-05-3138    | A-4094-13AJ197  | 22-05-3132    | A-4094-13AP197 | 22-05-3130    | A-4094-13BT197  |          |          |
|   | 22-05-214I   | A-4094-14A197  | 22-12-214I   | A-4094-14A241  |              | 22-05-3148    | A-4094-14AJ197  | 22-05-3142    | A-4094-14AP197 | 22-05-3140    | A-4094-14BT197  |          |          |
|   | 22-05-215I   | A-4094-15A197  | 22-12-215I   | A-4094-15A241  |              | 22-05-3158    | A-4094-15AJ197  | 22-05-3152    | A-4094-15AP197 | 22-05-3150    | A-4094-15BT197  |          |          |
| G | 22-05-216I   | A-4094-16A197  | 22-12-216I   | A-4094-16A241  |              | 22-05-3168    | A-4094-16AJ197  | 22-05-3162    | A-4094-16AP197 | 22-05-3160    | A-4094-16BT197  |          |          |
|   |              |                | 22-19-2054   | A-4094-5A241-2 | 2            |               |                 |               |                |               |                 |          |          |

| A-4094-NDS197 |                 |
|---------------|-----------------|
| PART NO.      | ENG. NO.        |
| 22-06-302I    | A-4094-02DS197  |
| 22-06-303I    | A-4094-03DS197  |
| 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  |
| 22-06-310I    | A-4094-10DS197  |
| 22-06-311I    | A-4094-11DS 197 |
| 22-06-312I    | A-4094-12DS 197 |
| 22-06-313I    | A-4094-13DS 197 |
| 22-06-314I    | A-4094-14DS 197 |
| 22-06-315I    | A-4094-15DS 197 |
| 22-06-316I    | A-4094-16DS 197 |

| <b>SEE SHEET 1</b><br>EC NO: UCP2014-0456<br>DRAWN:KIPPER 2014/02/14<br>CHKD:JBELL 2014/02/14<br>APPR:FSMITH 2014/08/05 | QUALITY SYMBOLS<br> | GENERAL TOLERANCES (UNLESS SPECIFIED)<br><table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± .005</td> <td>± .0005</td> </tr> <tr> <td>3 PLACES</td> <td>± .005</td> <td>± .0005</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.13</td> <td>± .01</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.25</td> <td>± .01</td> </tr> <tr> <td>0 PLACE</td> <td>± .005</td> <td>± .0005</td> </tr> </table> |   | mm | INCH | 4 PLACES | ± .005 | ± .0005 | 3 PLACES | ± .005 | ± .0005 | 2 PLACES | ± 0.13 | ± .01 | 1 PLACE | ± 0.25 | ± .01 | 0 PLACE | ± .005 | ± .0005 | DIMENSION STYLE<br><b>MM/IN</b><br>DRAWN BY DATE<br>KSS 1984/09/10<br>CHECKED BY DATE<br>NP 1984/09/10<br>APPROVED BY DATE<br>FSMITH 2014/08/05 | SCALE<br>---<br>DESIGN UNITS<br><b>INCH</b><br> | TITLE<br><b>WAFER ASSY FLAT MINI KK<br/>         (4030 WITH BENT PINS)<br/>         4094 SERIES DRAWING</b><br> | MATERIAL NO.<br><b>SEE CHART</b><br>DOCUMENT NO.<br><b>SDA-4094</b> | SHEET NO.<br><b>3 OF 3</b> |
|---|---------------------|---|---|----|------|----------|--------|---------|----------|--------|---------|----------|--------|-------|---------|--------|-------|---------|--------|---------|---|---|---|---|----------------------------|
|   |                     | mm  | INCH  |    |      |          |        |         |          |        |         |          |        |       |         |        |       |         |        |         |   |   |   |   |                            |
|   | 4 PLACES            | ± .005  | ± .0005   |    |      |          |        |         |          |        |         |          |        |       |         |        |       |         |        |         |   |   |   |   |                            |
|   | 3 PLACES            | ± .005  | ± .0005   |    |      |          |        |         |          |        |         |          |        |       |         |        |       |         |        |         |   |   |   |   |                            |
| 2 PLACES  | ± 0.13              | ± .01   |   |    |      |          |        |         |          |        |         |          |        |       |         |        |       |         |        |         |   |   |   |   |                            |
| 1 PLACE   | ± 0.25              | ± .01   |   |    |      |          |        |         |          |        |         |          |        |       |         |        |       |         |        |         |   |   |   |   |                            |
| 0 PLACE   | ± .005              | ± .0005   |   |    |      |          |        |         |          |        |         |          |        |       |         |        |       |         |        |         |   |   |   |   |                            |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |                     | ANGULAR ±1/2°   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |    |      |          |        |         |          |        |         |          |        |       |         |        |       |         |        |         |   |   |   |   |                            |
| <b>AE1</b>  | REV                 |   |   |    |      |          |        |         |          |        |         |          |        |       |         |        |       |         |        |         |   |   |   |   |                            |
| SIZE  |                     |   |   |    |      |          |        |         |          |        |         |          |        |       |         |        |       |         |        |         |   |   |   |   |                            |