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**Part Number:** [0022122251](#)  
**Status:** **Active**  
**Description:** 2.54mm (.100") Pitch KK® Wire-to-Board Header, Single Row, Right Angle, 25 Circuits, PA Polyamide Nylon, Gold (Au) Plating

**Documents:**

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <a href="#">3D Model</a>      | <a href="#">Product Specification PS-10-07 (PDF)</a> |
| <a href="#">Drawing (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a> |

**Agency Certification**

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                |                               |
|----------------|-------------------------------|
| Product Family | PCB Headers                   |
| Series         | <a href="#">4094</a>          |
| Application    | Board-to-Board, Wire-to-Board |
| Product Name   | KK®                           |

**Physical**

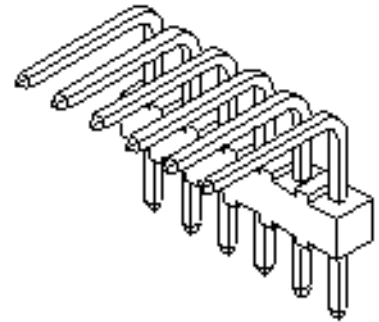
|                                |                 |
|--------------------------------|-----------------|
| Breakaway                      | No              |
| Circuits (Loaded)              | 25              |
| Circuits (maximum)             | 25              |
| Color - Resin                  | Natural (White) |
| Durability (mating cycles max) | 100             |
| Flammability                   | 94V-0           |
| Glow-Wire Compliant            | No              |
| Lock to Mating Part            | None            |
| Material - Metal               | Brass           |
| Material - Plating Mating      | Gold            |
| Material - Resin               | Nylon           |
| Number of Rows                 | 1               |
| Orientation                    | Right Angle     |
| PC Tail Length (in)            | 0.124 In        |
| PC Tail Length (mm)            | 3.15 mm         |
| PCB Locator                    | No              |
| PCB Retention                  | None            |
| PCB Thickness Recommended (in) | 0.062 In        |
| PCB Thickness Recommended (mm) | 1.60 mm         |
| Packaging Type                 | Bag             |
| Pitch - Mating Interface (in)  | 0.100 In        |
| Pitch - Mating Interface (mm)  | 2.54 mm         |
| Polarized to Mating Part       | No              |
| Polarized to PCB               | No              |
| Shrouded                       | No              |
| Stackable                      | Yes             |
| Surface Mount Compatible (SMC) | No              |
| Temperature Range - Operating  | 0°C to +75°C    |
| Termination Interface: Style   | Through Hole    |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 4A   |
| Voltage - Maximum             | 250V |

**Solder Process Data**

|                                                |                        |
|------------------------------------------------|------------------------|
| Duration at Max. Process Temperature (seconds) | 5                      |
| Lead-free Process Capability                   | Wave Capable (TH only) |



*Series*  
*image - Reference only*

**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC**  
Not Reviewed  
**Halogen-Free  
Status**

**China RoHS**



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Compliance, [click here](#)

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non-product compliance questions.

**Search Parts in this Series**  
[4094Series](#)

**Mates With**  
[2695](#) , [6471](#) , [7880](#) , [4455](#) , [7720](#)

|                                         |               |
|-----------------------------------------|---------------|
| Max. Cycles at Max. Process Temperature | 1             |
| Process Temperature max. C              | 235           |
| <b>Material Info</b>                    |               |
| Old Part Number                         | A-4094-25A501 |
| <b>Reference - Drawing Numbers</b>      |               |
| Product Specification                   | PS-10-07      |
| Sales Drawing                           | SDA-4094      |

This document was generated on 04/12/2010

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

- A-4094-N \* \*
- NO. OF CKTS. \* \*
- AGES WHEN PIN DIM. CHANGES.
- PLATING CODE SEE NOTE 2

| SECONDARY OPERATIONS |                         |
|----------------------|-------------------------|
| CODE                 | PACKAGE                 |
| BLANK                | BULK PER<br>PK-4094-001 |
| A                    | PK-40873-0020           |
|                      |                         |
|                      |                         |

| 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 ) |
| 17              | 1.600 ± .009<br>( 40.64 ± .23 ) | 1.690 ± .012<br>( 42.93 ± .30 ) |
| 18              | 1.700 ± .009<br>( 43.18 ± .23 ) | 1.790 ± .012<br>( 45.47 ± .30 ) |
| 19              | 1.800 ± .009<br>( 45.72 ± .23 ) | 1.890 ± .012<br>( 48.01 ± .30 ) |
| 20              | 1.900 ± .009<br>( 48.26 ± .23 ) | 1.990 ± .012<br>( 50.55 ± .30 ) |
| 21              | 2.000 ± .010<br>( 50.80 ± .25 ) | 2.090 ± .013<br>( 53.09 ± .33 ) |
| 22              | 2.100 ± .010<br>( 53.34 ± .25 ) | 2.190 ± .013<br>( 55.63 ± .33 ) |
| 23              | 2.200 ± .010<br>( 55.88 ± .25 ) | 2.290 ± .013<br>( 58.17 ± .33 ) |
| 24              | 2.300 ± .010<br>( 58.42 ± .25 ) | 2.390 ± .013<br>( 60.71 ± .33 ) |
| 25              | 2.400 ± .011<br>( 60.96 ± .28 ) | 2.490 ± .014<br>( 63.25 ± .36 ) |
| 26              | 2.500 ± .011<br>( 63.50 ± .28 ) | 2.590 ± .014<br>( 65.79 ± .36 ) |
| 27              | 2.600 ± .011<br>( 66.04 ± .28 ) | 2.690 ± .014<br>( 68.33 ± .36 ) |
| 28              | 2.700 ± .011<br>( 68.58 ± .28 ) | 2.790 ± .014<br>( 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     | AD3  |
| SHEET | REV. |

|                    |                     |            |                                                            |                 |                                       |                           |             |                                                                                                                               |                                                                         |                      |                    |                        |  |
|--------------------|---------------------|------------|------------------------------------------------------------|-----------------|---------------------------------------|---------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------|--------------------|------------------------|--|
| ADD 1.18 DIMENSION | EC NO: UCP2009-0323 | 2008/08/22 | DESCRIPTION                                                | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) |                           |             | DIMENSION STYLE                                                                                                               |                                                                         | SCALE                | DESIGN UNITS       | THIRD ANGLE PROJECTION |  |
|                    | DRWNGAVER ILL       | 2008/08/26 |                                                            |                 | mm                                    |                           | MM/IN       |                                                                                                                               | ---                                                                     | INCH                 |                    |                        |  |
|                    | CHKD:MK/PPER        | 2008/08/27 |                                                            |                 | INCH                                  |                           |             |                                                                                                                               |                                                                         |                      |                    |                        |  |
|                    | APPR:FSM/TH         | 2008/08/27 |                                                            |                 |                                       |                           |             |                                                                                                                               |                                                                         |                      |                    |                        |  |
|                    |                     |            |                                                            |                 |                                       |                           |             |                                                                                                                               |                                                                         |                      |                    |                        |  |
| AD3                | REV                 | ▽=0<br>▽=0 | ▽=0                                                        | 4 PLACES        | ±---                                  | ±---                      | DRAWN BY    | DATE                                                                                                                          | TITLE                                                                   |                      |                    |                        |  |
|                    |                     |            |                                                            | 3 PLACES        | ±---                                  | ±.005                     | CHECKED BY  | DATE                                                                                                                          |                                                                         |                      |                    |                        |  |
|                    |                     |            |                                                            | 2 PLACES        | ±0.13                                 | ±.01                      | NP          | 1984/09/10                                                                                                                    | WAFER ASSY FLAT MINI KK<br>(4030 WITH BENT PINS)<br>4094 SERIES DRAWING |                      |                    |                        |  |
|                    |                     |            |                                                            | 1 PLACE         | ±0.25                                 | ±---                      | APPROVED BY | DATE                                                                                                                          |                                                                         |                      |                    |                        |  |
|                    |                     |            |                                                            | ANGULAR ±1/2°   |                                       |                           | KJA         | 1984/09/10                                                                                                                    | molex                                                                   |                      | MOLEX INCORPORATED |                        |  |
|                    |                     |            | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                 |                                       | MATERIAL NO.<br>SEE CHART |             | DOCUMENT NO.<br>SDA-4094                                                                                                      |                                                                         | SHEET NO.<br>1 OF 14 |                    |                        |  |
|                    |                     |            |                                                            |                 |                                       | SIZE<br>C                 |             | 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. T                                                     |                | ENG. NO.        | PIN NO.      | DIM. L           | DIM. X          | DIM. Z          | DIM. Y                                                                  | DIM. W                 | DIM. T             | J |  |
| I                   | A-4094-NA102  | 2766-3(102)  | (17.45)<br>.687 | (9.30)<br>.366  | (3.15)<br>.124 | (6.30)<br>.248  | 90°               |                                                            |                | A-4094-NCM501   | 2766-1(501)  | (14.22)<br>.560  | (4.47)<br>.176  | (5.92)<br>.233  | (5.11)<br>.201                                                          | 90°                    |                    | I |  |
|                     | A-4094-NA501  | 2766-3(501)  | (17.45)<br>.687 | (9.30)<br>.366  | (3.15)<br>.124 | (6.30)<br>.248  | 90°               |                                                            |                | A-4094-NCN501   | 2766-53(501) | (20.85)<br>.821  | SEE SHT. 7      |                 |                                                                         |                        | 90°                |   |  |
|                     | A-4094-NAB102 | 2766-40(102) | (23.80)<br>.937 | (14.99)<br>.590 | (3.78)<br>.149 | (6.30)<br>.248  | 90°               |                                                            |                | A-4094-NCR501   | 2766-73(501) | (22.71)<br>.894  | (13.92)<br>.548 | (3.48)<br>.137  | (6.60)<br>.260                                                          | 90°                    |                    |   |  |
|                     | A-4094-NAC102 | 2766-54(102) | (17.86)<br>.703 | (9.68)<br>.381  | (4.32)<br>.170 | (5.13)<br>.202  | 90°               |                                                            |                | A-4094-NCS501   | 4166-74(501) | (31.24)<br>1.230 | (22.23)<br>.875 | (3.71)<br>.146  | (6.60)<br>.260                                                          | 90°                    |                    |   |  |
| H                   | A-4094-NAJ102 | 2766-8(102)  | (21.39)<br>.842 | (10.19)<br>.401 | (4.09)<br>.161 | (8.41)<br>.331  | 90°               |                                                            |                | A-4094-NCV501   | 2766-28(501) | (15.88)<br>.625  | (7.65)<br>.301  | (3.23)<br>.127  | (6.30)<br>.248                                                          | 90°                    |                    | H |  |
|                     | A-4094-NAL102 | 2766-8(102)  | (21.39)<br>.842 | (12.47)<br>.491 | (3.91)<br>.154 | (6.30)<br>.248  | 90°               |                                                            |                | A-4094-NCY508   | SEE SHT. 8   |                  |                 |                 |                                                                         | 90°                    |                    |   |  |
|                     | A-4094-NAM102 | 2766-3(102)  | (17.45)<br>.687 | (4.93)<br>.194  | (7.29)<br>.287 | (6.53)<br>.257  | 90°               |                                                            |                | A-4094-NCZ501   | 2766-3(501)  | (17.45)<br>.687  | (9.30)<br>.366  | (2.31)<br>.091  | (7.11)<br>.280                                                          | 90°                    |                    |   |  |
|                     | A-4094-NAP102 | 2766-3(102)  | (17.45)<br>.687 | (8.41)<br>.331  | (3.78)<br>.149 | (6.55)<br>.258  | 90°               |                                                            |                | A-4094-NJ102    | 2766-28(102) | (15.88)<br>.625  | (6.63)<br>.261  | (3.02)<br>.119  | (9.73)<br>.383                                                          | 55°                    |                    |   |  |
| G                   | A-4094-NB102  | 2766-43(102) | (13.46)<br>.530 | (4.85)<br>.191  | (3.61)<br>.142 | (6.30)<br>.248  | 90°               |                                                            |                | A-4094-NM102    | 2766-3(102)  | (17.45)<br>.687  | (7.44)<br>.293  | (2.84)<br>.112  | (8.46)<br>.333                                                          | 90°                    |                    | G |  |
|                     | A-4094-NBE102 | 2766-37(102) | (20.32)<br>.800 | (11.53)<br>.454 | (3.56)<br>.140 | (6.50)<br>.256  | 90°               |                                                            |                | A-4094-NR102    | 2766-37(102) | (20.32)<br>.800  | (12.24)<br>.482 | (3.07)<br>.121  | (6.30)<br>.248                                                          | 90°                    |                    |   |  |
|                     | A-4094-NBE501 | 2766-37(501) | (20.32)<br>.800 | (11.53)<br>.454 | (3.56)<br>.140 | (6.50)<br>.256  | 90°               |                                                            |                | A-4094-NRG501   | 2766-53(501) | (20.85)<br>.821  | (12.32)<br>.485 | (3.53)<br>.139  | (6.30)<br>.248                                                          | 90°                    |                    |   |  |
|                     | A-4094-NBF102 | 2766-4(102)  | (18.69)<br>.736 | (9.30)<br>.366  | (2.79)<br>.110 | (7.87)<br>.310  | 90°               |                                                            |                | A-4094-NW102    | 2766-37(102) | (20.32)<br>.800  | (9.30)<br>.366  | (3.61)<br>.142  | (8.71)<br>.343                                                          | 90°                    |                    |   |  |
| F                   | A-4094-NBF501 | 2766-4(501)  | (18.69)<br>.736 | (9.30)<br>.366  | (2.79)<br>.110 | (7.87)<br>.310  | 90°               |                                                            |                | A-4094-NZ102    | 2766-3(102)  | (17.45)<br>.687  | (5.13)<br>.202  | (7.95)<br>.313  | (5.66)<br>.223                                                          | 90°                    |                    | F |  |
|                     | A-4094-NBH102 | 2766-37(102) | (20.32)<br>.800 | (11.71)<br>.461 | (2.31)<br>.091 | (7.57)<br>.298  | 90°               |                                                            |                | A-4094-NH102    | 2766-1(102)  | (14.22)<br>.560  | (5.23)<br>.206  | (3.96)<br>.156  | (6.30)<br>.248                                                          | 90°                    |                    |   |  |
|                     | A-4094-NBK103 | 4166-11(103) | (16.51)<br>.650 | (5.00)<br>.197  | (7.67)<br>.302 | (5.13)<br>.202  | 90°               |                                                            |                | A-4094-NDA102   | 4166-38(102) | (27.00)<br>1.063 | (9.30)<br>.366  | (3.15)<br>.124  | (15.82)<br>.623                                                         | 90°                    |                    |   |  |
|                     | A-4094-NBJ102 | 2766-4(102)  | (18.69)<br>.736 | (9.42)<br>.371  | (3.63)<br>.143 | (6.93)<br>.273  | 90°               |                                                            |                | A-4094-NDB102   | 4166-30(102) | (30.48)<br>1.200 | (9.30)<br>.366  | (3.07)<br>.121  | (9.38)<br>.763                                                          | 90°                    |                    |   |  |
| E                   | A-4094-NBJ501 | 2766-4(501)  | (18.69)<br>.736 | (9.42)<br>.371  | (3.63)<br>.143 | (6.93)<br>.273  | 90°               |                                                            |                | A-4094-NDC102   | 2766-40(102) | (23.80)<br>.937  | (12.70)<br>.500 | (3.15)<br>.124  | (9.22)<br>.363                                                          | 90°                    |                    | E |  |
|                     | A-4094-NBL102 | 2766-8(102)  | (21.39)<br>.842 | (3.81)<br>.150  | (3.05)<br>.120 | (17.60)<br>.693 | 25°               |                                                            |                | A-4094-NA508    | 2766-3(508)  | (17.45)<br>.687  | (9.30)<br>.366  | (3.15)<br>.124  | (6.30)<br>.248                                                          | 90°                    |                    |   |  |
|                     | A-4094-NBM102 | 2766-28(102) | (15.88)<br>.625 | (5.79)<br>.228  | (4.06)<br>.160 | (6.30)<br>.248  | 139°              |                                                            |                | A-4094-NDD102   | 2766-60(102) | (23.24)<br>.915  | (9.53)<br>.375  | (8.64)<br>.340  | (6.35)<br>.250                                                          | 90°                    |                    |   |  |
|                     | A-4094-NBP102 | 2766-3(102)  | (17.45)<br>.687 | (9.07)<br>.357  | (7.87)<br>.310 | (5.82)<br>.229  | 105°              |                                                            |                | A-4094-NAR102   | 2766-26(102) | (14.99)<br>.590  | (4.06)<br>.160  | (8.03)<br>.316  | (4.09)<br>.161                                                          | 90°                    |                    |   |  |
| D                   | A-4094-NBR501 | 2766-52(501) | (14.61)<br>.575 | (9.30)<br>.366  | (1.63)<br>.064 | (4.90)<br>.193  | 90°               |                                                            |                | A-4094-NAT102   | 2766-4(102)  | (18.69)<br>.736  | (8.26)<br>.325  | (3.28)<br>.129  | (12.75)<br>.502                                                         | 45°                    |                    | D |  |
|                     | A-4094-NBT102 | 2766-39(102) | (12.70)<br>.500 | (6.38)<br>.251  | (2.79)<br>.110 | (4.78)<br>.188  | 90°               |                                                            |                | A-4094-NAT501   | 2766-4(501)  | (18.69)<br>.736  | (8.26)<br>.325  | (3.28)<br>.129  | (12.75)<br>.502                                                         | 45°                    |                    |   |  |
|                     | A-4094-NCA102 | 2766-57(102) | (13.84)<br>.545 | (5.23)<br>.206  | (3.61)<br>.142 | (6.30)<br>.248  | 90°               |                                                            |                | A-4094-NDE501   | 2766-73(501) | (22.71)<br>.894  | (9.98)<br>.393  | (3.00)<br>.118  | (11.00)<br>.433                                                         | 90°                    |                    |   |  |
|                     | A-4094-NCC102 | 2766-73(102) | (22.71)<br>.894 | (10.74)<br>.423 | (3.25)<br>.128 | (13.61)<br>.536 | 60°               |                                                            |                | A-4094-NDF102   | 2766-16(102) | (22.23)<br>.875  | (6.12)<br>.241  | (11.05)<br>.435 | (6.35)<br>.250                                                          | 90°                    |                    |   |  |
| C                   | A-4094-NCE102 | 2766-54(102) | (17.86)<br>.703 | (9.14)<br>.360  | (3.91)<br>.154 | (6.10)<br>.240  | 90°               |                                                            |                | A-4094-NDG102   | 2766-39(102) | (12.70)<br>.500  | (4.60)<br>.181  | (3.10)<br>.122  | (6.30)<br>.248                                                          | 90°                    |                    | C |  |
|                     | A-4094-NCM102 | 2766-1(102)  | (14.22)<br>.560 | (4.47)<br>.176  | (5.92)<br>.233 | (5.11)<br>.201  | 90°               |                                                            |                | A-4094-NBK102   | 4166-11(102) | (16.51)<br>.650  | (5.00)<br>.197  | (7.67)<br>.302  | (5.13)<br>.202                                                          | 90°                    |                    |   |  |
|                     | B             |              |                 |                 |                |                 |                   |                                                            | A              |                 |              |                  |                 |                 |                                                                         |                        |                    |   |  |
|                     |               |              |                 |                 |                |                 |                   |                                                            |                |                 |              |                  |                 |                 |                                                                         |                        |                    |   |  |
| UPDATE TITLE BLOCK  |               |              |                 |                 |                |                 | QUALITY SYMBOLS   | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |                | DIMENSION STYLE |              | SCALE            |                 | DESIGN UNITS    |                                                                         | THIRD ANGLE PROJECTION |                    |   |  |
| EC NO: UCP2005-2329 |               |              |                 |                 |                |                 |                   | ▽=0                                                        | mm             |                 | MM/IN        |                  | ---             |                 | INCH                                                                    |                        | ⊕                  |   |  |
| A                   | DRAWN:ADRR    |              |                 |                 |                |                 |                   | DESCRIPTION                                                | 4 PLACES ±---  |                 | DATE         |                  | KSS             |                 | WAFER ASSY FLAT MINI KK<br>(4030 WITH BENT PINS)<br>4094 SERIES DRAWING |                        | MOLEX INCORPORATED |   |  |
|                     | CHKD:LSHMI DT |              |                 |                 |                |                 |                   |                                                            | 3 PLACES ±---  |                 | DATE         |                  | CHECKED BY      |                 |                                                                         |                        |                    |   |  |
|                     | APPR:FSM TH   |              |                 |                 |                |                 |                   |                                                            | 2 PLACES ±0.13 |                 | DATE         |                  | APPROVED BY     |                 |                                                                         |                        |                    |   |  |
|                     | AD1           |              |                 |                 |                |                 |                   |                                                            | 1 PLACE ±0.25  |                 | DATE         |                  | KJA             |                 |                                                                         |                        |                    |   |  |
| A                   |               |              |                 |                 |                |                 | REV               | ANGULAR ±1/2°                                              |                | DATE            |              | MATERIAL NO.     |                 | DOCUMENT NO.    |                                                                         | SHEET NO.              |                    |   |  |
|                     |               |              |                 |                 |                |                 |                   | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                | SEE CHART       |              | SDA-4094         |                 | 2 OF 14         |                                                                         |                        |                    |   |  |
| ib_frame_C_P_ME_T   |               |              |                 |                 |                |                 | Rev. D 2004/04/02 |                                                            | 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 |  |
| <div><div><div>UPDATE TITLE BLOCK<br/>EC NO: UCP2005-2329<br/>DRW:ADER<br/>CHKD: SCHM DT<br/>APPR:FSM TH</div><div>2005/07/26<br/>2005/07/27<br/>2005/07/27</div><div>DESCRIPTION<br/>REV</div></div><div><div>QUALITY SYMBOLS<br/>▽=0<br/>▽=0</div><div>GENERAL TOLERANCES (UNLESS SPECIFIED)<br/>mm INCH<br/>4 PLACES ± --- ± ---<br/>3 PLACES ± --- ± ---<br/>2 PLACES ± --- ± ---<br/>1 PLACE ± --- ± ---<br/>ANGULAR ±1/2°</div><div>DRAFT WHERE APPLICABLE<br/>MUST REMAIN<br/>WITHIN DIMENSIONS</div></div><div><div>DIMENSION STYLE<br/>MM/IN</div><div>DRAWN BY<br/>KSS</div><div>CHECKED BY<br/>NP</div><div>APPROVED BY<br/>KJA</div><div>MATERIAL NO.</div><div>SIZE<br/>C</div><div>DATE<br/>1984/09/10</div><div>DATE<br/>1984/09/10</div><div>DATE<br/>1984/09/10</div><div>DOCUMENT NO.<br/>SDA-4094</div><div>SHEET NO.<br/>4 OF 14</div></div><div><div>SCALE<br/>---</div><div>DESIGN UNITS<br/>INCH</div><div>THIRD ANGLE<br/>PROJECTION</div><div>WAFER ASSY FLAT MINI KK<br/>(4030 WITH BENT PINS)<br/>4094 SERIES DRAWING</div><div>MOLEX<br/>MOLEX INCORPORATED</div><div>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br/>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</div></div></div> |               |                |               |                |                |                 |                |                 |                |                 |                |                 |   |  |
| ib_frame_C_P_ME_T<br>Rev. D 2004/04/02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 12            | 11             | 10            | 9              | 8              | 7               | 6              | 5               | 4              | 3               | 2              | 1               |   |  |