

- NOTES:
- CARD SLOT ACCEPTS .050±.004 (1.27±0.10) MODULE THICKNESS. (MEASURED OVER P.C. PADS).
  - ALL PEGS ARE INTERFERENCE FITS TO PCB UNLESS NOTED .
  - REFER TO PRODUCT SPEC PS-71243-9999 FOR PERFORMANCE SPECIFICATIONS.
  - PRODUCT IS PACKAGED IN TRAYS PER PK-70873-0609.
  - RECOMMENDED MODULE LAYOUT SHALL BE PER SHEET 2.
  - RECOMMENDED PLATING ON MODULE PADS: 30 MICROINCH/(0.76 MICROMETER) MINIMUM HARD GOLD (Au) OVER 79 MICROINCH/(2.0 MICROMETER) MINIMUM NICKEL (Ni).
  - PRODUCT WILL HAVE DATE CODE STAMPED ON SIDE OF HOUSING.

MATERIALS:

- HOUSING - GLASS FILLED LIQUID CRYSTAL POLYMER (LCP), UL 94V-0, COLOR: BLACK.
- TERMINAL - PHOSPHOR BRONZE
- LATCHES - GLASS FILLED HIGH TEMPERATURE NYLON, UL 94V-0, COLOR: IVORY.

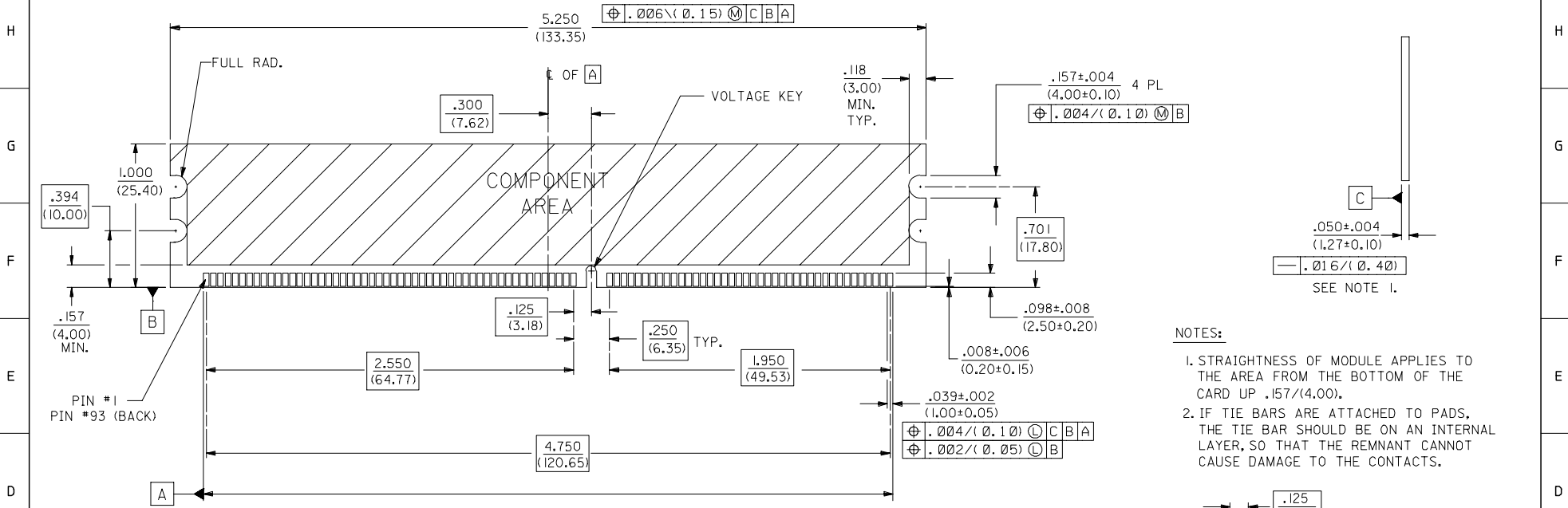
PLATING:  
SEE SHEET 2.

NOTE FOR LEAD FREE CONVERSION:  
THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC". CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH LEAD.

|     |     |
|-----|-----|
| 2   | E   |
| 1   | E   |
| SHT | REV |

| UPDATE REV LEVEL<br>EC NO: UCP2005-2368<br>M DRW:BSWART 2005/04/29<br>CHKD:BSWART 2005/05/03<br>APPR:SMILLER 2005/05/05<br>REV DESCRIPTION | QUALITY SYMBOLS                                      | GENERAL TOLERANCES (UNLESS SPECIFIED)  | DIMENSION STYLE | SCALE   | DESIGN UNITS   | THIRD ANGLE PROJECTION |        |        |          |        |        |          |        |       |         |        |        |       |     |      |  |
|--|--|--|-----------------|---|--|------------------------|--------|--------|----------|--------|--------|----------|--------|-------|---------|--------|--------|-------|-----|------|--|
|  | $\nabla=0$<br>$\nabla=0$                             | <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± .---</td> <td>± .---</td> </tr> <tr> <td>3 PLACES</td> <td>± .---</td> <td>± .005</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>± .---</td> </tr> </tbody> </table> |                 | mm  | INCH   | 4 PLACES               | ± .--- | ± .--- | 3 PLACES | ± .--- | ± .005 | 2 PLACES | ± 0.13 | ± .01 | 1 PLACE | ± 0.25 | ± .--- | IN/MM | 2:1 | INCH |  |
|  |  | mm   | INCH            |   |  |                        |        |        |          |        |        |          |        |       |         |        |        |       |     |      |  |
|  | 4 PLACES   | ± .---   | ± .---          |   |  |                        |        |        |          |        |        |          |        |       |         |        |        |       |     |      |  |
| 3 PLACES   | ± .---   | ± .005   |                 |   |  |                        |        |        |          |        |        |          |        |       |         |        |        |       |     |      |  |
| 2 PLACES   | ± 0.13   | ± .01  |                 |   |  |                        |        |        |          |        |        |          |        |       |         |        |        |       |     |      |  |
| 1 PLACE  | ± 0.25   | ± .---   |                 |   |  |                        |        |        |          |        |        |          |        |       |         |        |        |       |     |      |  |
|  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | SEE TABLE  | MATERIAL NO.    | DOCUMENT NO.  | TITLE  |                        |        |        |          |        |        |          |        |       |         |        |        |       |     |      |  |
|  |  |  | C               | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | SALES ASSEMBLY<br>.050/1.27 PITCH SINGLE<br>KEY 184 CKT DDR DIMM |                        |        |        |          |        |        |          |        |       |         |        |        |       |     |      |  |

|   | 13          | 12            | 11          | 10          | 9              | 8           | 7              | 6              | 5              | 4              | 3               | 2              | 1              |                 |             |                |
|---|-------------|---------------|-------------|-------------|----------------|-------------|----------------|----------------|----------------|----------------|-----------------|----------------|----------------|-----------------|-------------|----------------|
| J | PART NUMBER | DESCRIPTION   | VOLTAGE KEY | PEG A       | PEG B          | PEG C       | DIM. "P"       | DIM. "S"       | DIM. "T"       | DIM. "V"       | DIM. "W"        | DIM. "X"       | DIM. "Y"       | DIM. "Z"        | LATCH COLOR | TERMINAL TYPE  |
| J | 71243-3001  | 1.8 VOLT VDDQ | CENTER      | PLASTIC PEG | METAL FORKLOCK | PLASTIC PEG | .155<br>(3.94) | .020<br>(0.51) | .127<br>(3.23) | .135<br>(3.43) | .970<br>(24.64) | .113<br>(2.87) | .250<br>(6.35) | .410<br>(10.41) | WHITE       | NOT LUBRICATED |
|   | 71243-3002  | 2.5 VOLT VDDQ | OFFSET LEFT | PLASTIC PEG | METAL FORKLOCK | PLASTIC PEG | .155<br>(3.94) | .020<br>(0.51) | .127<br>(3.23) | .135<br>(3.43) | .970<br>(24.64) | .113<br>(2.87) | .250<br>(6.35) | .410<br>(10.41) | WHITE       | NOT LUBRICATED |
| I | 71243-3004  | 1.8 VOLT VDDQ | CENTER      | PLASTIC PEG | METAL FORKLOCK | PLASTIC PEG | .155<br>(3.94) | .020<br>(0.51) | .127<br>(3.23) | .135<br>(3.43) | .970<br>(24.64) | .113<br>(2.87) | .250<br>(6.35) | .410<br>(10.41) | WHITE       | LUBRICATED     |
| I | 71243-3005  | 2.5 VOLT VDDQ | OFFSET LEFT | PLASTIC PEG | METAL FORKLOCK | PLASTIC PEG | .155<br>(3.94) | .020<br>(0.51) | .127<br>(3.23) | .135<br>(3.43) | .970<br>(24.64) | .113<br>(2.87) | .250<br>(6.35) | .410<br>(10.41) | WHITE       | LUBRICATED     |
|   | 71243-3007  | 2.5 VOLT VDDQ | OFFSET LEFT | PLASTIC PEG | NONE           | PLASTIC PEG | .155<br>(3.94) | .020<br>(0.51) | .127<br>(3.23) |                | .970<br>(24.64) | .113<br>(2.87) | .250<br>(6.35) | .410<br>(10.41) | WHITE       | NOT LUBRICATED |
|   | 71243-3009  | 1.8 VOLT VDDQ | CENTER      | PLASTIC PEG | METAL FORKLOCK | PLASTIC PEG | .155<br>(3.94) | .020<br>(0.51) | .127<br>(3.23) | .135<br>(3.43) | .970<br>(24.64) | .113<br>(2.87) | .250<br>(6.35) | .410<br>(10.41) | BLACK       | NOT LUBRICATED |



RECOMMENDED MODULE LAYOUT  
184 CKT 3.3V SHOWN

- NOTES:
1. STRAIGHTNESS OF MODULE APPLIES TO THE AREA FROM THE BOTTOM OF THE CARD UP .157/(4.00).
  2. IF TIE BARS ARE ATTACHED TO PADS, THE TIE BAR SHOULD BE ON AN INTERNAL LAYER, SO THAT THE REMNANT CANNOT CAUSE DAMAGE TO THE CONTACTS.

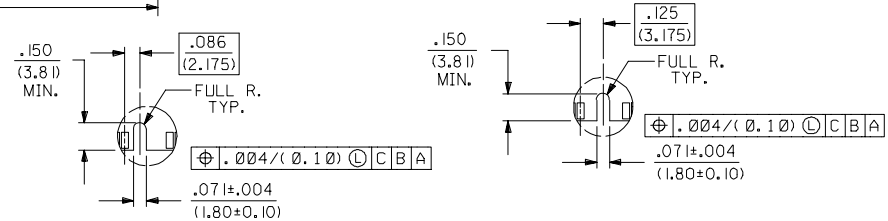
PLATING:

CONTACT AREA NOT LUBRICATED:  
GOLD (Au) FLASH: THICKNESS=2-10 MICROINCH/(0.05-0.25 MICRO METER),  
OVER PALLADIUM-NICKEL (Pd-NI): THICKNESS=30 MICROINCH/(0.76 MICROMETER) MINIMUM.

CONTACT AREA LUBRICATED:  
MOLEX EBI LUBRICANT APPLIED OVER GOLD (Au) FLASH:  
THICKNESS=2-10 MICROINCH/(0.05-0.25 MICRO METER),  
OVER PALLADIUM-NICKEL (Pd-NI): THICKNESS=30 MICROINCH/(0.76 MICROMETER) MINIMUM.

SOLDER TAILS:  
TIN (Sn): THICKNESS=150 MICROINCH/(3.81 MICROMETER) MINIMUM.

UNDERPLATE:  
NICKEL (Ni) OVER ENTIRE TERMINAL.



OFFSET LEFT KEY

CENTERED KEY

|   |                               |   |                          |                     |   |   |
|---|-------------------------------|---|--------------------------|---------------------|---|---|
| ADD 71243-3009<br>EC NO: UCP2005-2368<br>MORNINGSMART 2005/04/29<br>CHKD:BSMART 2005/05/03<br>APPR:SMILLER 2005/05/05 | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)   | DIMENSION STYLE<br>IN/MM | SCALE<br>2:1        | DESIGN UNITS<br>INCH  | THIRD ANGLE PROJECTION  |
|   |                               | 4 PLACES ±.005 ±.005<br>3 PLACES ±.005 ±.005<br>2 PLACES ±.013 ±.01<br>1 PLACE ±.025 ±.01 | DRAWN BY<br>JCL          | DATE<br>09/25/1997  | TITLE<br>SALES ASSEMBLY<br>0505/1.27 PITCH SINGLE<br>KEY 184 CKT DDR DIMM |   |
| REV   | DESCRIPTION                   | ANGULAR ±1/2°   | APPROVED BY<br>JCL       | DATE<br>09/25/1997  | MATERIAL NO.<br>SDA-71243-3***  | DOCUMENT NO.<br>SDA-71243-3***  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |                               | SEE TABLE   |                          | SHEET NO.<br>2 OF 2 |   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |