

## Excellent Integrated System Limited

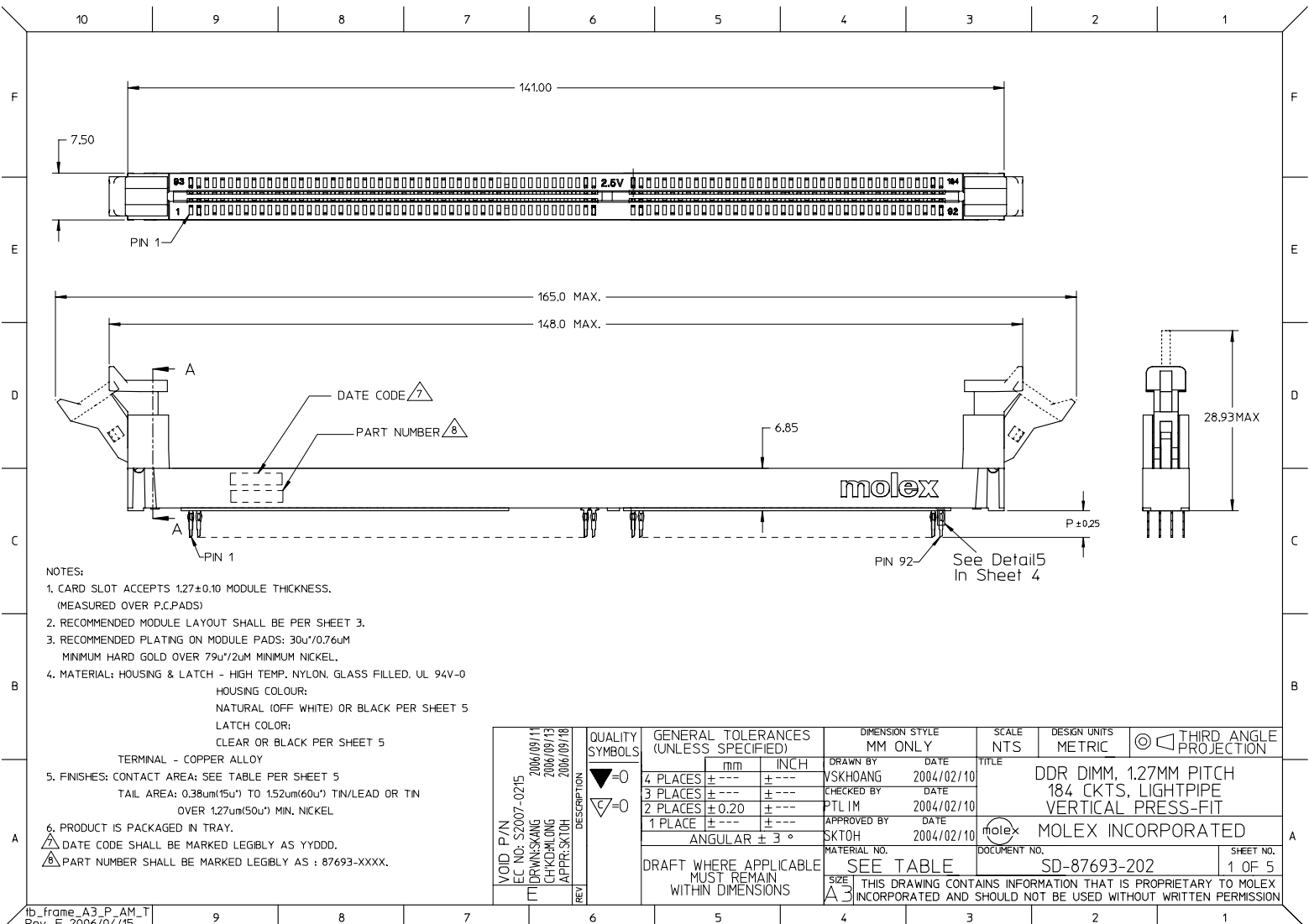
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)  
[0876931311](#)

For any questions, you can email us directly:

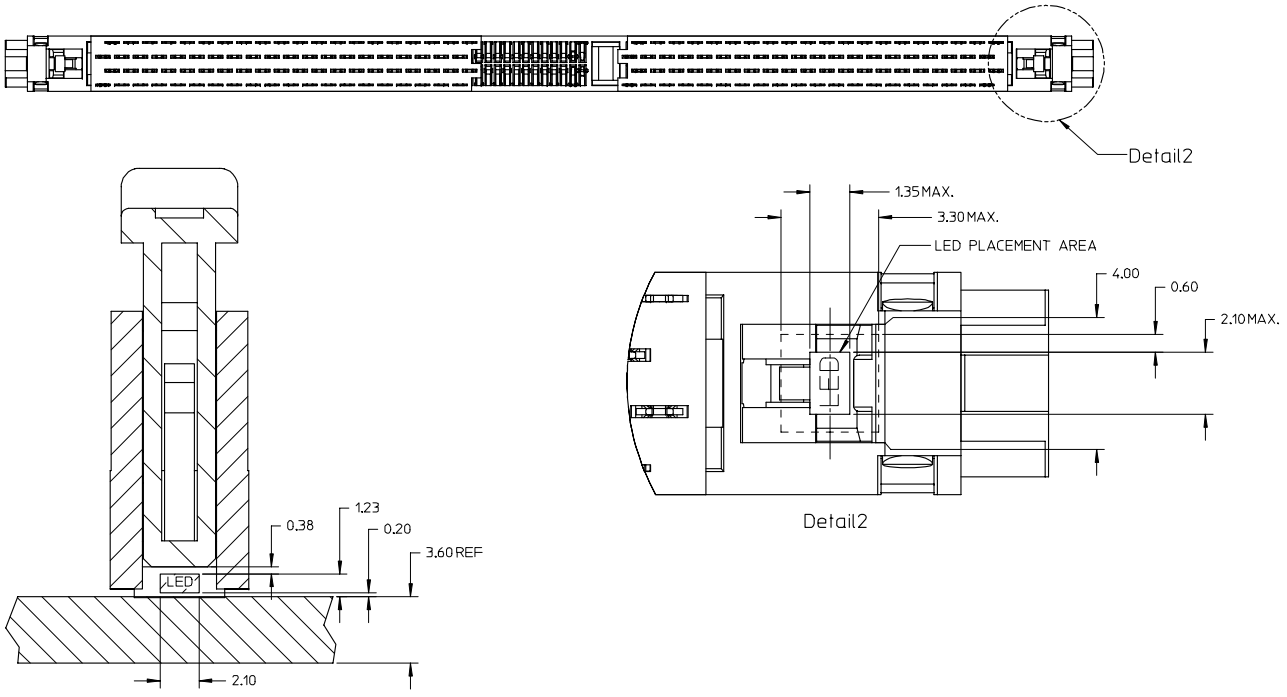
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



**NOTES:**

- CARD SLOT ACCEPTS 1.27±0.10 MODULE THICKNESS. (MEASURED OVER P,C,PADS)
  - RECOMMENDED MODULE LAYOUT SHALL BE PER SHEET 3.
  - RECOMMENDED PLATING ON MODULE PADS: 30u"/0.76uM MINIMUM HARD GOLD OVER 79u"/2uM MINIMUM NICKEL.
  - MATERIAL: HOUSING & LATCH - HIGH TEMP. NYLON, GLASS FILLED, UL 94V-0  
HOUSING COLOUR:  
NATURAL (OFF WHITE) OR BLACK PER SHEET 5  
LATCH COLOR:  
CLEAR OR BLACK PER SHEET 5  
TERMINAL - COPPER ALLOY
  - FINISHES: CONTACT AREA: SEE TABLE PER SHEET 5  
TAIL AREA: 0.38um(15u") TO 152um(60u") TIN/LEAD OR TIN OVER 1.27um(50u") MIN. NICKEL
  - PRODUCT IS PACKAGED IN TRAY.
- 7 DATE CODE SHALL BE MARKED LEGIBLY AS YYDD.  
 8 PART NUMBER SHALL BE MARKED LEGIBLY AS : 87693-XXXX.

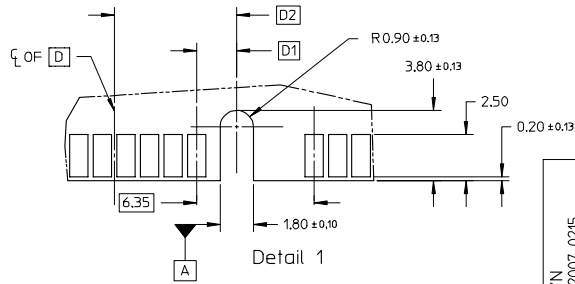
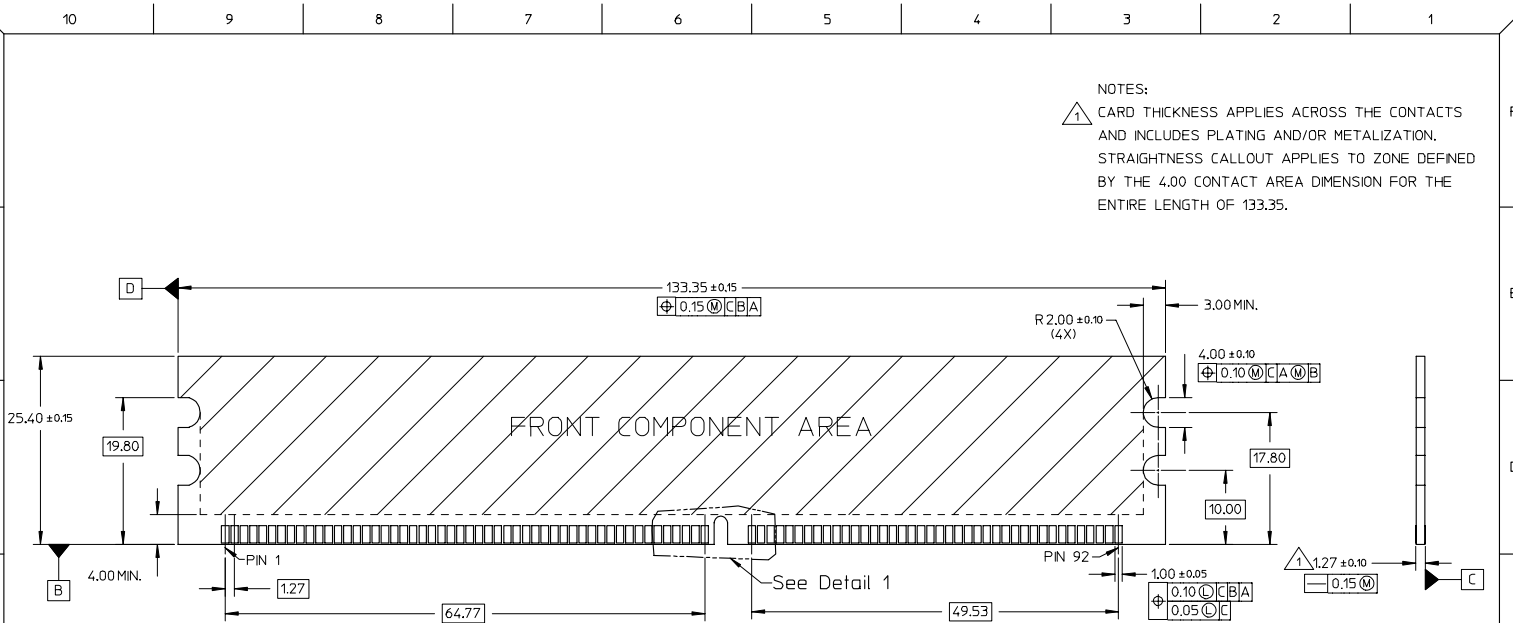
|  |                    |  |                                       |                                    |                            |  |                              |                        |                           |  |
|--|--------------------|--|---------------------------------------|------------------------------------|----------------------------|--|------------------------------|------------------------|---------------------------|--|
| VOID P/N<br>EC NO: S2007-0215<br>2006/09/11<br>DRUNSKIANC<br>2006/09/13<br>CHKORLONG<br>2006/09/18<br>APPR:SKTOH | DESCRIPTION<br>REV | QUALITY SYMBOLS<br>▽=0<br>▽=0  | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                    | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS                 | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  |
|  |                    | 4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.20 ± ---<br>1 PLACE ± --- ± --- | mm<br>INCH                            | DRAWN BY<br>VSKHOANG<br>2004/02/10 | DATE<br>2004/02/10         | TITLE<br>DDR DIMM, 1.27MM PITCH<br>184 CKTS, LIGHTPIPE<br>VERTICAL PRESS-FIT |                              |                        |                           |  |
|  |                    | ANGULAR ± 3 °  |                                       | CHECKED BY<br>PTL IM<br>2004/02/10 | DATE<br>2004/02/10         | MOLEX INCORPORATED   |                              |                        |                           |  |
|  |                    | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                   |                                       | APPROVED BY<br>SKTOH<br>2004/02/10 | DATE<br>2004/02/10         | MATERIAL NO.<br>SEE TABLE  | DOCUMENT NO.<br>SD-87693-202 | SHEET NO.<br>1 OF 5    |                           |  |



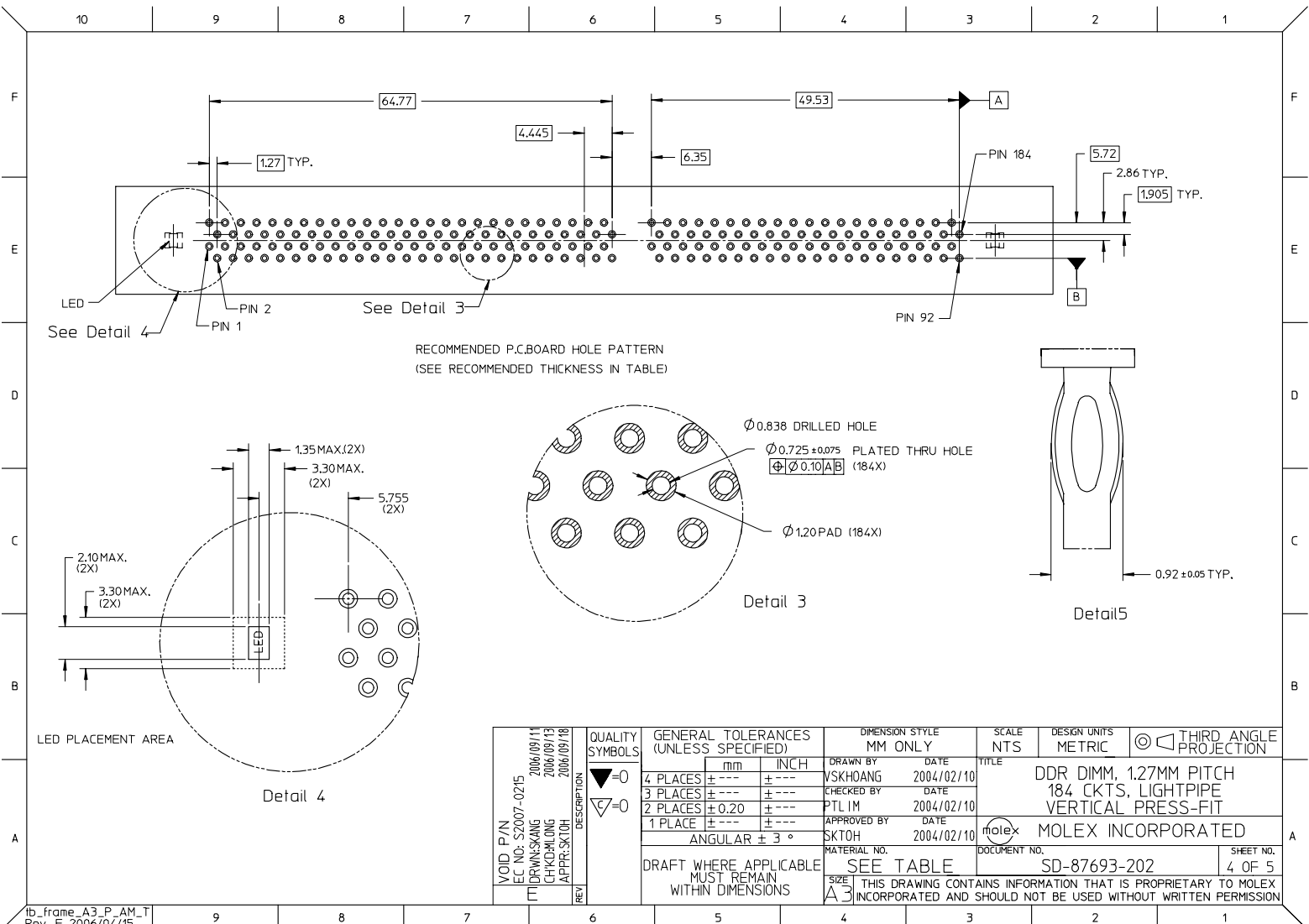
SECTION A-A

|  |                    |  |                                       |                                    |                            |  |                              |                        |                        |
|--|--------------------|--|---------------------------------------|------------------------------------|----------------------------|--|------------------------------|------------------------|------------------------|
| VOID P/N<br>EC NO: S2007-0215<br>2006/09/11<br>DRWNSKANG<br>2006/09/13<br>CHKDRLONG<br>2006/09/18<br>APPRSKTOH | DESCRIPTION<br>REV | QUALITY SYMBOLS<br>▽=0<br>▽=0  | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                    | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS                 | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION |
|  |                    | 4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.20 ± ---<br>1 PLACE ± --- ± --- | mm INCH                               | DRAWN BY<br>VSKHOANG<br>2004/02/10 | DATE<br>2004/02/10         | TITLE<br>DDR DIMM, 1.27MM PITCH<br>184 CKTS, LIGHTPIPE<br>VERTICAL PRESS-FIT |                              |                        |                        |
|  |                    | ANGULAR ± 3 °  |                                       | CHECKED BY<br>PTL IM<br>2004/02/10 | DATE<br>2004/02/10         | MOLEX INCORPORATED   |                              |                        |                        |
|  |                    | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                   |                                       | APPROVED BY<br>SKTOH<br>2004/02/10 | DATE<br>2004/02/10         | MATERIAL NO.<br>SEE TABLE  | DOCUMENT NO.<br>SD-87693-202 | SHEET NO.<br>2 OF 5    |                        |

NOTES:  
 1. CARD THICKNESS APPLIES ACROSS THE CONTACTS AND INCLUDES PLATING AND/OR METALIZATION. STRAIGHTNESS CALLOUT APPLIES TO ZONE DEFINED BY THE 4.00 CONTACT AREA DIMENSION FOR THE ENTIRE LENGTH OF 133.35.



|   |                    |  |                                       |                                    |                            |  |                     |                        |                        |  |  |
|---|--------------------|--|---------------------------------------|------------------------------------|----------------------------|--|---------------------|------------------------|------------------------|--|--|
| VOID P/N<br>EC NO: S2007-0215<br>2006/09/11<br>DRINKSANG<br>2006/09/13<br>CHKHONG<br>2006/09/18<br>APPR:SKTOH | DESCRIPTION<br>REV | QUALITY SYMBOLS<br>▽=0<br>▽=0  | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                    | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS        | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION |  |  |
|   |                    | 4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.20 ± ---<br>1 PLACE ± --- ± --- | mm      INCH                          | DRAWN BY<br>VSKHOANG<br>2004/02/10 | DATE<br>2004/02/10         | TITLE<br>DDR DIMM, 1.27MM PITCH<br>184 CKTS, LIGHTPIPE<br>VERTICAL PRESS-FIT |                     |                        |                        |  |  |
|   |                    | ANGULAR ± 3 °  |                                       | CHECKED BY<br>PTLIM<br>2004/02/10  | DATE<br>2004/02/10         | MOLEX INCORPORATED   |                     |                        |                        |  |  |
|   |                    | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                   |                                       | MATERIAL NO.<br>SEE TABLE          | DATE<br>2004/02/10         | DOCUMENT NO.<br>SD-87693-202   | SHEET NO.<br>3 OF 5 |                        |                        |  |  |



RECOMMENDED P.C.BOARD HOLE PATTERN  
(SEE RECOMMENDED THICKNESS IN TABLE)

| VOID P/N<br>EC NO: S2007-0215<br>2006/09/11<br>DRINKSANG<br>2006/09/13<br>CHKHONG<br>APPR:SKTOH<br>2006/09/18<br>APPR:SKTOH  | DESCRIPTION<br>REV | QUALITY SYMBOLS  | GENERAL TOLERANCES (UNLESS SPECIFIED)  | DIMENSION STYLE | SCALE      | DESIGN UNITS | THIRD ANGLE PROJECTION |        |            |                        |   |             |          |              |              |           |       |            |           |              |        |  |
|--|--------------------|--|--|-----------------|------------|--------------|------------------------|--------|------------|------------------------|---|-------------|----------|--------------|--------------|-----------|-------|------------|-----------|--------------|--------|--|
|  |                    | $\nabla=0$<br>$\nabla=0$   | <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.20</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> </table> |                 | mm         | INCH         | 4 PLACES               | ± ---  | ± ---      | 3 PLACES               | ± ---   | ± ---       | 2 PLACES | ± 0.20       | ± ---        | 1 PLACE   | ± --- | ± ---      | MM ONLY   | NTS          | METRIC |  |
|  |                    |  | mm   | INCH            |            |              |                        |        |            |                        |   |             |          |              |              |           |       |            |           |              |        |  |
|  |                    | 4 PLACES   | ± ---  | ± ---           |            |              |                        |        |            |                        |   |             |          |              |              |           |       |            |           |              |        |  |
| 3 PLACES   | ± ---              | ± ---  |  |                 |            |              |                        |        |            |                        |   |             |          |              |              |           |       |            |           |              |        |  |
| 2 PLACES   | ± 0.20             | ± ---  |  |                 |            |              |                        |        |            |                        |   |             |          |              |              |           |       |            |           |              |        |  |
| 1 PLACE  | ± ---              | ± ---  |  |                 |            |              |                        |        |            |                        |   |             |          |              |              |           |       |            |           |              |        |  |
| <table border="1"> <tr> <td>DRAWN BY</td> <td>DATE</td> <td rowspan="3">           TITLE<br/>           DDR DIMM, 1.27MM PITCH<br/>           184 CKTS, LIGHTPIPE<br/>           VERTICAL PRESS-FIT         </td> </tr> <tr> <td>VSKHOANG</td> <td>2004/02/10</td> </tr> <tr> <td>CHECKED BY</td> <td>DATE</td> </tr> <tr> <td>PTL IM</td> <td>2004/02/10</td> <td>           MOLEX INCORPORATED<br/> </td> </tr> </table> | DRAWN BY           | DATE   | TITLE<br>DDR DIMM, 1.27MM PITCH<br>184 CKTS, LIGHTPIPE<br>VERTICAL PRESS-FIT   | VSKHOANG        | 2004/02/10 | CHECKED BY   | DATE                   | PTL IM | 2004/02/10 | MOLEX INCORPORATED<br> | <table border="1"> <tr> <td>APPROVED BY</td> <td>DATE</td> <td>MATERIAL NO.</td> <td>DOCUMENT NO.</td> <td>SHEET NO.</td> </tr> <tr> <td>SKTOH</td> <td>2004/02/10</td> <td>SEE TABLE</td> <td>SD-87693-202</td> <td>4 OF 5</td> </tr> </table> | APPROVED BY | DATE     | MATERIAL NO. | DOCUMENT NO. | SHEET NO. | SKTOH | 2004/02/10 | SEE TABLE | SD-87693-202 | 4 OF 5 |  |
| DRAWN BY   | DATE               | TITLE<br>DDR DIMM, 1.27MM PITCH<br>184 CKTS, LIGHTPIPE<br>VERTICAL PRESS-FIT   |  |                 |            |              |                        |        |            |                        |   |             |          |              |              |           |       |            |           |              |        |  |
| VSKHOANG   | 2004/02/10         |  |  |                 |            |              |                        |        |            |                        |   |             |          |              |              |           |       |            |           |              |        |  |
| CHECKED BY   | DATE               |  |  |                 |            |              |                        |        |            |                        |   |             |          |              |              |           |       |            |           |              |        |  |
| PTL IM   | 2004/02/10         | MOLEX INCORPORATED<br>   |  |                 |            |              |                        |        |            |                        |   |             |          |              |              |           |       |            |           |              |        |  |
| APPROVED BY  | DATE               | MATERIAL NO.   | DOCUMENT NO.   | SHEET NO.       |            |              |                        |        |            |                        |   |             |          |              |              |           |       |            |           |              |        |  |
| SKTOH  | 2004/02/10         | SEE TABLE  | SD-87693-202   | 4 OF 5          |            |              |                        |        |            |                        |   |             |          |              |              |           |       |            |           |              |        |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS   |                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                 |            |              |                        |        |            |                        |   |             |          |              |              |           |       |            |           |              |        |  |

|   | 10 | 9              | 8           | 7                  | 6                         | 5           | 4           | 3     | 2     | 1   |   |         |       |
|---|----|----------------|-------------|--------------------|---------------------------|-------------|-------------|-------|-------|---|---|---------|-------|
|   |    | PLATING OPTION | PART NUMBER | TAIL LENGTH P±0.25 | RECOMMENDED PCB THICKNESS | VOLTAGE KEY | DESCRIPTION | D1    | D2    | FINISHES CONTACT AREA   | HOUSING COLOUR  | LATCH   |       |
| F |    | TIN/LEAD       | 87693-4201  | 4.30               | 4.57                      | 2.5 VOLT    | LEFT        | 2.175 | 6.62  | SELECTIVE GOLD<br>15u"/0.38uM MIN. GOLD<br>OVER 50u"/1.27uM MIN. NICKEL | BLACK   | BLACK   |       |
|   |    |                | 87693-4301  | 3.32               | 3.60                      | 1.8 VOLT    | LEFT        | 3.175 | 7.62  |   |   |         |       |
|   |    |                | 87693-4202  | 4.30               | 4.57                      |             | RIGHT       |       |       |   |   |         |       |
|   |    |                | 87693-4302  | 3.32               | 3.60                      | 2.5 VOLT    | LEFT        | 2.175 | 6.62  |   |   |         |       |
|   |    |                | 87693-4211  | 4.30               | 4.57                      |             | RIGHT       |       |       |   |   |         |       |
|   |    |                | 87693-4311  | 3.32               | 3.60                      | 1.8 VOLT    | LEFT        | 3.175 | 7.62  |   |   |         |       |
|   |    |                | 87693-4212  | 4.30               | 4.57                      |             | RIGHT       |       |       |   |   |         |       |
| E |    |                |             | 87693-4312         | 3.32                      | 3.60        | 2.5 VOLT    | LEFT  | 2.175 | 6.62  | SELECTIVE GOLD<br>30u"/0.76uM MIN. GOLD<br>OVER 50u"/1.27uM MIN. NICKEL | BLACK   | CLEAR |
|   |    |                | 87693-5201  | 4.30               | 4.57                      | RIGHT       |             |       |       |   |   |         |       |
|   |    |                | 87693-5301  | 3.32               | 3.60                      | 1.8 VOLT    | LEFT        | 3.175 | 7.62  |   |   |         |       |
|   |    |                | 87693-5202  | 4.30               | 4.57                      |             | RIGHT       |       |       |   |   |         |       |
|   |    |                | 87693-5302  | 3.32               | 3.60                      | 2.5 VOLT    | LEFT        | 2.175 | 6.62  |   |   |         |       |
|   |    | 87693-5211     | 4.30        | 4.57               | RIGHT                     |             |             |       |       |   |   |         |       |
|   |    | 87693-5311     | 3.32        | 3.60               | 1.8 VOLT                  | LEFT        | 3.175       | 7.62  |       |   |   |         |       |
|   |    | 87693-5212     | 4.30        | 4.57               |                           | RIGHT       |             |       |       |   |   |         |       |
| D |    |                | 87693-5312  | 3.32               | 3.60                      | 2.5 VOLT    | LEFT        | 2.175 | 6.62  | SELECTIVE GOLD<br>30u"/0.76uM MIN. GOLD<br>OVER 50u"/1.27uM MIN. NICKEL | NATURAL   |         |       |
|   |    | TIN            | 87693-0201  | 4.30               | 4.57                      | 2.5 VOLT    | LEFT        | 2.175 | 6.62  | SELECTIVE GOLD<br>15u"/0.38uM MIN. GOLD<br>OVER 50u"/1.27uM MIN. NICKEL | BLACK   | BLACK   |       |
|   |    |                | 87693-0301  | 3.32               | 3.60                      | 1.8 VOLT    | LEFT        | 3.175 | 7.62  |   |   |         |       |
|   |    |                | 87693-0202  | 4.30               | 4.57                      |             | RIGHT       |       |       |   |   |         |       |
|   |    |                | 87693-0302  | 3.32               | 3.60                      | 2.5 VOLT    | LEFT        | 2.175 | 6.62  |   |   |         |       |
|   |    |                | 87693-0311  | 3.32               | 3.60                      |             | RIGHT       |       |       |   |   |         |       |
|   |    |                | 87693-1201  | 4.30               | 4.57                      | 2.5 VOLT    | LEFT        | 2.175 | 6.62  |   |   |         |       |
|   |    |                | 87693-1301  | 3.32               | 3.60                      |             | RIGHT       |       |       |   |   |         |       |
|   |    |                | 87693-1202  | 4.30               | 4.57                      | 1.8 VOLT    | LEFT        | 3.175 | 7.62  |   |   |         |       |
|   |    |                | 87693-1302  | 3.32               | 3.60                      |             | RIGHT       |       |       |   |   |         |       |
|   |    |                | 87693-1211  | 4.30               | 4.57                      | 2.5 VOLT    | LEFT        | 2.175 | 6.62  |   |   |         |       |
|   |    |                | 87693-1311  | 3.32               | 3.60                      |             | RIGHT       |       |       |   |   |         |       |
| B |    |                |             | 87693-2311         | 3.32                      | 3.60        | 2.5 VOLT    | LEFT  | 2.175 | 6.62  | SELECTIVE GOLD<br>30u"/0.76uM MIN. GOLD<br>OVER 50u"/1.27uM MIN. NICKEL | NATURAL |       |

|  |   |  |   |                    |   |                        |
|--|---|--|---|--------------------|---|------------------------|
| VOID P/N<br>EC NO: S2007-0215<br>DRINKSANG<br>CHKHORLONG<br>APPR:SKTOH<br>2006/09/11<br>2006/09/13<br>2006/09/18 | QUALITY SYMBOLS   | GENERAL TOLERANCES (UNLESS SPECIFIED)  | DIMENSION STYLE<br>MM ONLY  | SCALE<br>NTS       | DESIGN UNITS<br>METRIC  | THIRD ANGLE PROJECTION |
|  | $\nabla=0$<br>$\nabla=0$  | 4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.20 ± ---<br>1 PLACE ± --- ± ---<br>ANGULAR ± 3° | DRAWN BY: VSKHOANG<br>CHECKED BY: PTLIM<br>APPROVED BY: SKTOH<br>DATE: 2004/02/10<br>DATE: 2004/02/10<br>DATE: 2004/02/10 | TITLE              | DDR DIMM, 1.27MM PITCH<br>184 CKTS, LIGHTPIPE<br>VERTICAL PRESS-FIT |                        |
|  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS  | MATERIAL NO.<br>SEE TABLE  | DOCUMENT NO.<br>SD-87693-202  | MOLEX INCORPORATED |   | SHEET NO.<br>5 OF 5    |
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