

10 9 8 7 6 5 4 3 2 1

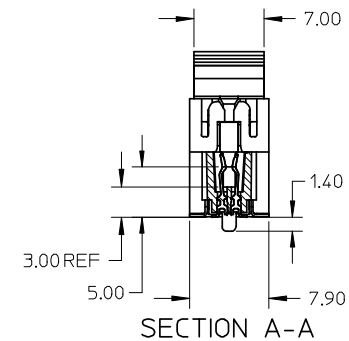
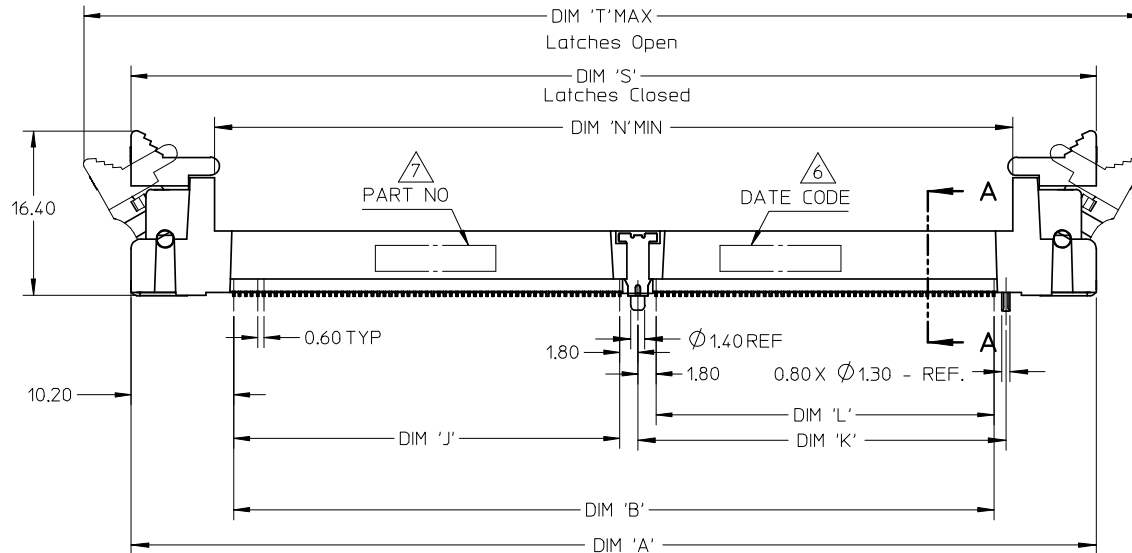
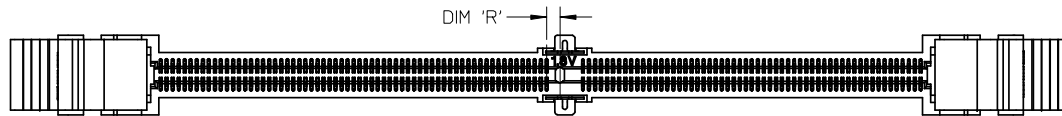
NOTES :

1. MATERIAL :  
HOUSING : LIQUID CRYSTAL POLYMER, GLASS FILLED,  
UL 94V-0, COLOUR : BLACK  
CONTACTS : COPPER ALLOY  
LATCHES : HIGH TEMPERATURE NYLON, UL 94V-0  
COLOUR : NATURAL (OFF-WHITE)

2. FINISH  
CONTACT AREA : 0.76 MICROMETER (30 MICROINCH) MIN GOLD OVER  
1.25 MICROMETER (50 MICROINCH) MIN NICKEL  
SMT TAIL : 2.54 MICROMETER (100 MICROINCH) MIN TIN OVER  
1.25 MICROMETER (50 MICROINCH) MIN NICKEL.  
3. ACCEPTS 1.0 mm THICK MEMORY MODULE PER JEDEC MO-244  
FOR 244 CKTS AND MO-258 FOR 200 CKTS.  
4. PRODUCT SPECIFICATION : PS-87782-027  
5. PRODUCT SHALL BE PACKED IN TRAY. PLS REFER TO SHEET 5

6. DATE CODE SHALL BE MARKED LEGIBLY AS SHOWN : YYDDD

7. PART NUMBER SHALL BE MARKED LEGIBLY AS SHOWN.  
87782-XXXX (REFER TO TABLE)

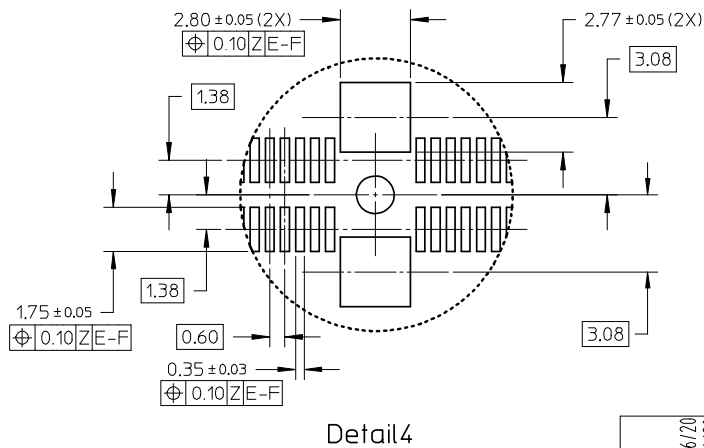
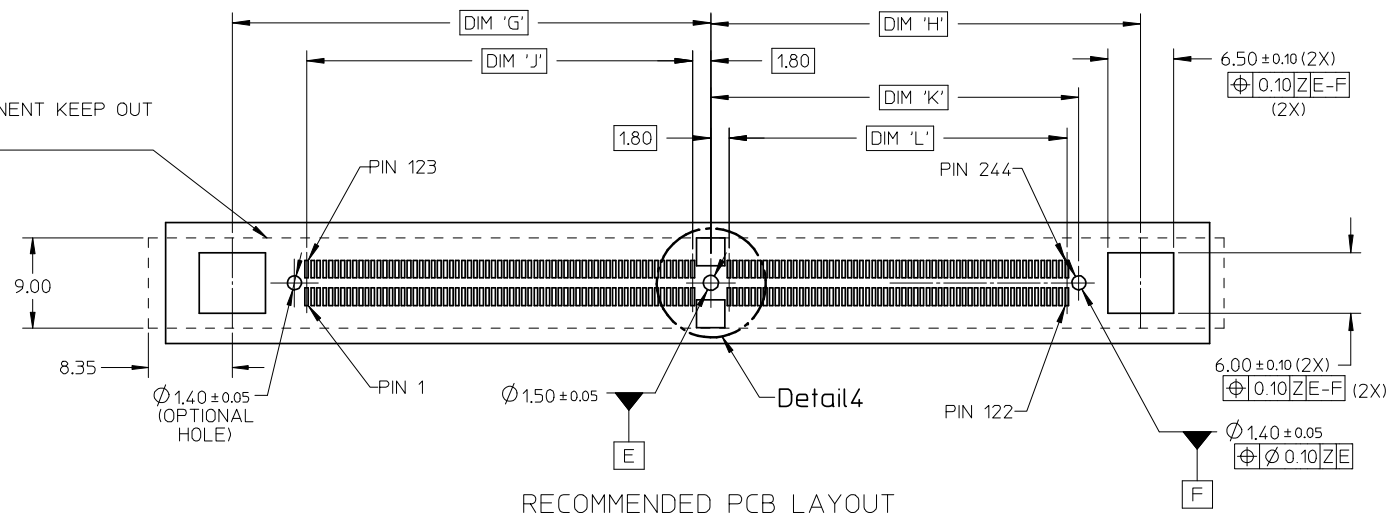


|                                                                                             |                          |                                                  |                                                            |        |                            |                             |                                                                                                                                  |                                                            |                           |  |  |
|---------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------|------------------------------------------------------------|--------|----------------------------|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------------|--|--|
| ADD DDR3 OPTION<br>EC NO: S2008-1057<br>DRW:CMTE0<br>CHKD:CGTAN<br>APPR:SHLENI<br>REV<br>E1 | DESCRIPTION<br>REV<br>E1 | QUALITY SYMBOLS<br><div>▽=0</div> <div>▽=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |        | DIMENSION STYLE<br>MM ONLY |                             | SCALE<br>NTS                                                                                                                     | DESIGN UNITS<br>METRIC                                     | THIRD ANGLE<br>PROJECTION |  |  |
|                                                                                             |                          |                                                  |                                                            | mm     | INCH                       | DRAWN BY<br>MLONG           | DATE<br>2003/01/07                                                                                                               | TITLE<br>MINI DIMM, 0.60MM PITCH<br>200/244 CKTS, VERTICAL |                           |  |  |
|                                                                                             |                          |                                                  | 4 PLACES                                                   | ± ---  | ± ---                      | CHECKED BY<br>PTL IM        | DATE<br>2003/07/16                                                                                                               |                                                            |                           |  |  |
|                                                                                             |                          |                                                  | 3 PLACES                                                   | ± ---  | ± ---                      | APPROVED BY<br>SKTOH        | DATE<br>2003/07/17                                                                                                               |                                                            |                           |  |  |
|                                                                                             |                          |                                                  | 2 PLACES                                                   | ± 0.13 | ± ---                      | MOLEX<br>MOLEX INCORPORATED |                                                                                                                                  | DOCUMENT NO.<br>SD-87782-001                               |                           |  |  |
|                                                                                             |                          |                                                  | 1 PLACE                                                    | ± 0.25 | ± ---                      |                             |                                                                                                                                  |                                                            |                           |  |  |
|                                                                                             |                          |                                                  | ANGULAR ± 1 °                                              |        | MATERIAL NO.<br>SEE TABLE  |                             |                                                                                                                                  |                                                            |                           |  |  |
|                                                                                             |                          |                                                  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        | SIZE<br>A3                 |                             | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                            |                           |  |  |

9 8 7 6 5 4 3 2 1



COMPONENT KEEP OUT AREA.



|                                                                                                                               |             |                            |                                                            |        |                            |             |                                                                                                                               |                                                                |                                                                                                              |           |
|-------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------------|------------------------------------------------------------|--------|----------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------|
| ADD DDR3 OPTION<br>EC NO: S2008-1057<br>DRWN:CMTEO 2008/06/20<br>CHKD:CGTAN 2008/06/20<br>APPR:SHLENI 2008/06/23<br>REV<br>E1 | DESCRIPTION | QUALITY SYMBOLS<br><br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |        | DIMENSION STYLE<br>MM ONLY |             | SCALE<br>NTS                                                                                                                  | DESIGN UNITS<br>METRIC                                         |  THIRD ANGLE PROJECTION |           |
|                                                                                                                               |             |                            |                                                            | mm     | INCH                       | DRAWN BY    | DATE                                                                                                                          | TITLE<br><br>MINI DIMM, 0.60MM PITCH<br>200/244 CKTS, VERTICAL |                                                                                                              |           |
|                                                                                                                               |             |                            | 4 PLACES                                                   | ± ---  | ± ---                      | MLONG       | 2003/01/07                                                                                                                    |                                                                |                                                                                                              |           |
|                                                                                                                               |             |                            | 3 PLACES                                                   | ± ---  | ± ---                      | CHECKED BY  | DATE                                                                                                                          |                                                                |                                                                                                              |           |
|                                                                                                                               |             |                            | 2 PLACES                                                   | ± 0.13 | ± ---                      | PTLIM       | 2003/07/16                                                                                                                    | MOLEX INCORPORATED                                             |                                                                                                              |           |
|                                                                                                                               |             |                            | 1 PLACE                                                    | ± 0.25 | ± ---                      | APPROVED BY | DATE                                                                                                                          |                                                                |                                                                                                              |           |
|                                                                                                                               |             |                            | ANGULAR ± 1 °                                              |        | SKTOH                      | 2003/07/17  |                                                                                                                               |                                                                |                                                                                                              |           |
|                                                                                                                               |             |                            | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        | MATERIAL NO.               |             | DOCUMENT NO.                                                                                                                  |                                                                |                                                                                                              | SHEET NO. |
|                                                                                                                               |             |                            |                                                            |        | SEE TABLE                  |             | SD-87782-001                                                                                                                  |                                                                |                                                                                                              | 3 OF 6    |
|                                                                                                                               |             |                            |                                                            |        | SIZE<br>A3                 |             | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                |                                                                                                              |           |

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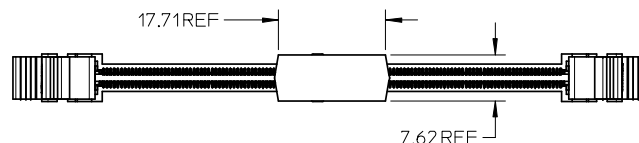
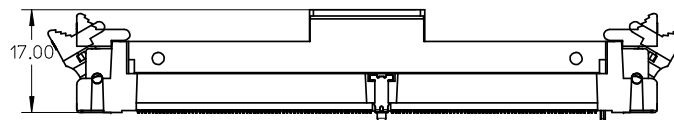
B

B

A

A

FOR OPTIONS WITH COVER



|                                                                                                                  |             |                                   |                                                            |        |                                                                                                                               |             |              |                                                                |                                                                                                              |           |
|------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------|------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------|
| ADD DDR3 OPTION<br>EC NO: S2008-1057<br>DRWN:CMTE0 2008/06/20<br>CHKD:CGTAN 2008/06/20<br>APPR:SHLENI 2008/06/23 | DESCRIPTION | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |        | DIMENSION STYLE<br>MM ONLY                                                                                                    |             | SCALE<br>NTS | DESIGN UNITS<br>METRIC                                         |  THIRD ANGLE PROJECTION |           |
|                                                                                                                  |             |                                   |                                                            | mm     | INCH                                                                                                                          | DRAWN BY    | DATE         | TITLE<br><br>MINI DIMM, 0.60MM PITCH<br>200/244 CKTS, VERTICAL |                                                                                                              |           |
|                                                                                                                  |             |                                   | 4 PLACES                                                   | ± ---  | ± ---                                                                                                                         | MLONG       | 2003/01/07   |                                                                |                                                                                                              |           |
|                                                                                                                  |             |                                   | 3 PLACES                                                   | ± ---  | ± ---                                                                                                                         | CHECKED BY  | DATE         |                                                                |                                                                                                              |           |
|                                                                                                                  |             |                                   | 2 PLACES                                                   | ± 0.13 | ± ---                                                                                                                         | PTL IM      | 2003/07/16   |                                                                |                                                                                                              |           |
|                                                                                                                  |             |                                   | 1 PLACE                                                    | ± 0.25 | ± ---                                                                                                                         | APPROVED BY | DATE         | MOLEX INCORPORATED                                             |                                                                                                              |           |
|                                                                                                                  |             |                                   | ANGULAR ± 1 °                                              |        | SKTOH                                                                                                                         | 2003/07/17  |              |                                                                |                                                                                                              |           |
|                                                                                                                  |             |                                   | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        | MATERIAL NO.                                                                                                                  |             | DOCUMENT NO. |                                                                |                                                                                                              | SHEET NO. |
|                                                                                                                  |             |                                   |                                                            |        | SEE TABLE                                                                                                                     |             | SD-87782-001 |                                                                |                                                                                                              | 4 OF 6    |
|                                                                                                                  |             |                                   |                                                            |        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |             |              |                                                                |                                                                                                              |           |

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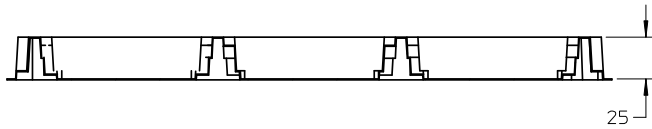
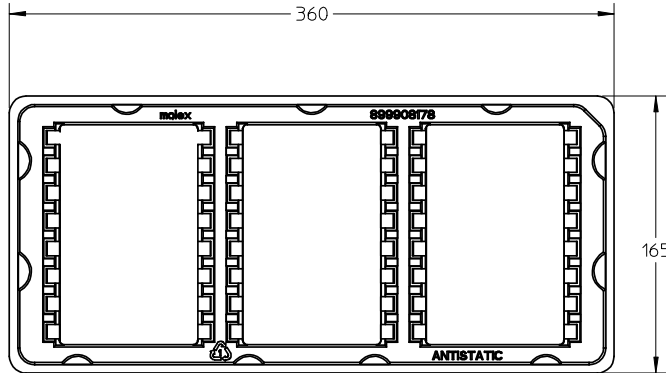
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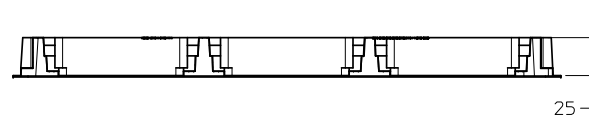
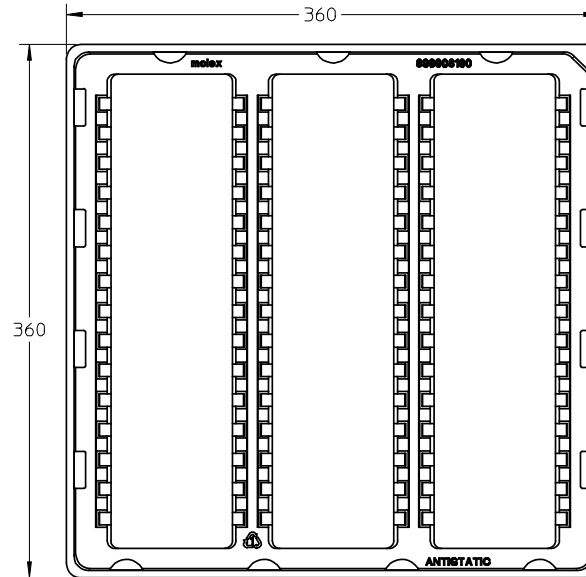
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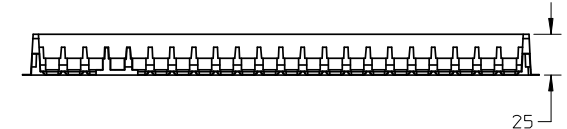
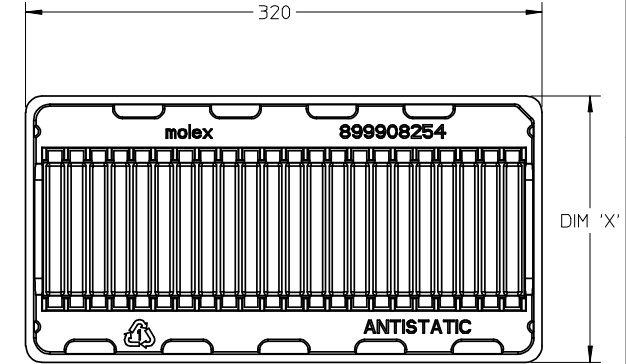
1



TRAY TYPE A  
QTY OF CAVITY: 3 X 8 = 24 PCS  
COLOUR: TRANSPARENT



TRAY TYPE B  
QTY OF CAVITY: 3 X 15 = 45 PCS  
COLOUR: TRANSPARENT



TRAY TYPE AND COLOUR - SEE TABLE  
QTY OF CAVITY: 1 X 22 = 22 PCS  
COLOUR - SEE TABLE

| TRAY TYPE | DIM 'X' | TRAY COLOUR |
|-----------|---------|-------------|
| C         | 165     | TRANSPARENT |
| D         | 160     | WHITE       |

|                                                                                                                |                    |                                       |                                                            |        |                            |                                                                                                                               |                    |                                                            |                           |  |        |  |
|----------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------|------------------------------------------------------------|--------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------|---------------------------|--|--------|--|
| ADD DDR3 OPTION<br>EC NO: S2008-1057<br>DRWN:CMTEO 2008/06/20<br>CHKD:GTAN 2008/06/20<br>APPR:SHENI 2008/06/23 | DESCRIPTION<br>REV | QUALITY SYMBOLS<br><br>▽=0<br><br>C=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |        | DIMENSION STYLE<br>MM ONLY |                                                                                                                               | SCALE<br>NTS       | DESIGN UNITS<br>METRIC                                     | THIRD ANGLE<br>PROJECTION |  |        |  |
|                                                                                                                |                    |                                       |                                                            | mm     | INCH                       | DRAWN BY<br>MLONG                                                                                                             | DATE<br>2003/01/07 | TITLE<br>MINI DIMM, 0.60MM PITCH<br>200/244 CKTS, VERTICAL |                           |  |        |  |
|                                                                                                                |                    |                                       | 4 PLACES                                                   | ± ---  | ± ---                      | CHECKED BY                                                                                                                    | DATE               |                                                            |                           |  |        |  |
|                                                                                                                |                    |                                       | 3 PLACES                                                   | ± ---  | ± ---                      | PTL IM                                                                                                                        | 2003/07/16         | MOLEX INCORPORATED                                         |                           |  |        |  |
|                                                                                                                |                    |                                       | 2 PLACES                                                   | ± 0.13 | ± ---                      | APPROVED BY                                                                                                                   | DATE               |                                                            |                           |  |        |  |
|                                                                                                                |                    |                                       | 1 PLACE                                                    | ± 0.25 | ± ---                      | SKTOH                                                                                                                         | 2003/07/17         | MOLEX INCORPORATED                                         |                           |  |        |  |
|                                                                                                                |                    |                                       | ANGULAR ± 1 °                                              |        |                            | MATERIAL NO.                                                                                                                  | DOCUMENT NO.       |                                                            |                           |  |        |  |
|                                                                                                                |                    |                                       | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        |                            | SEE TABLE                                                                                                                     |                    | SD-87782-001                                               |                           |  | 5 OF 6 |  |
|                                                                                                                |                    |                                       |                                                            |        |                            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |                                                            |                           |  |        |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10                 | 9                                                          | 8                                        | 7              | 6            | 5                                                                                                                                | 4                                                          | 3                  | 2                      | 1                         |              |            |           |         |         |         |         |         |       |        |                                                                                                                           |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                                                            |                                          |                |              |                                                                                                                                  |                                                            |                    |                        |                           |              |            |           |         |         |         |         |         |       |        | F                                                                                                                         |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CKT SIZE<br>'N'    | PART<br>NUMBER                                             | MODULE<br>CARD                           | VOLTAGE<br>KEY | DIM 'R'      | DIM 'J'                                                                                                                          | DIM 'K'                                                    | DIM 'L'            | DIM 'N'                | DIM 'A'                   | DIM 'S'      | DIM 'T'    | DIM 'E'   | DIM 'U' | DIM 'V' | DIM 'G' | DIM 'H' | DIM 'B' | COVER | TRAY   |                                                                                                                           |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 244                | 87782-2001                                                 | DDR2                                     | 1.8 V          | 1.30         | 38.40                                                                                                                            | 36.60                                                      | 33.60              | 79.00                  | 96.0                      | 96.0         | 106.20     | 39.60     | 78.00   | 82.00   | 47.60   | 42.75   | 75.60   | NIL   | TYPE A |                                                                                                                           |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 244                | 87782-2003                                                 | DDR2                                     | 1.8 V          | 1.30         | 38.40                                                                                                                            | 36.60                                                      | 33.60              | 79.00                  | 96.0                      | 96.0         | 106.20     | 39.60     | 78.00   | 82.00   | 47.60   | 42.75   | 75.60   | YES   | TYPE B |                                                                                                                           |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    | 87782-3003                                                 | DDR3                                     | 1.5 V          | 2.30         |                                                                                                                                  |                                                            |                    |                        |                           |              |            |           |         |         |         |         |         | YES   | TYPE B |                                                                                                                           |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 244                | 87782-2005                                                 | DDR2                                     | 1.8 V          | 1.30         | 38.40                                                                                                                            | 36.60                                                      | 33.60              | 79.00                  | 96.0                      | 96.0         | 106.20     | 39.60     | 78.00   | 82.00   | 47.60   | 42.75   | 75.60   | YES   | TYPE A | E                                                                                                                         |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    | 87782-3005                                                 | DDR3                                     | 1.5 V          | 2.30         |                                                                                                                                  |                                                            |                    |                        |                           |              |            |           |         |         |         |         |         | YES   | TYPE A |                                                                                                                           |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 244                | 87782-2007                                                 | DDR2                                     | 1.8 V          | 1.30         | 38.40                                                                                                                            | 36.60                                                      | 33.60              | 79.00                  | 96.0                      | 96.0         | 106.20     | 39.60     | 78.00   | 82.00   | 47.60   | 42.75   | 75.60   | YES   | TYPE C |                                                                                                                           |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    | 87782-3007                                                 | DDR3                                     | 1.5 V          | 2.30         |                                                                                                                                  |                                                            |                    |                        |                           |              |            |           |         |         |         |         |         | YES   | TYPE C |                                                                                                                           |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 244                | 87782-2009                                                 | DDR2                                     | 1.8 V          | 1.30         | 38.40                                                                                                                            | 36.60                                                      | 33.60              | 79.00                  | 96.0                      | 96.0         | 106.20     | 39.60     | 78.00   | 82.00   | 47.60   | 42.75   | 75.60   | YES   | TYPE D | D                                                                                                                         |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    | 87782-3009                                                 | DDR3                                     | 1.5 V          | 2.30         |                                                                                                                                  |                                                            |                    |                        |                           |              |            |           |         |         |         |         |         | YES   | TYPE D |                                                                                                                           |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 200                | 87782-2201                                                 | DDR2                                     | 1.8 V          | 1.30         | 23.40                                                                                                                            | 38.40                                                      | 35.40              | 65.80                  | 82.8                      | 82.8         | 93.00      | 24.60     | 64.80   | 68.80   | 32.60   | 44.55   | 62.40   | NIL   | TYPE A |                                                                                                                           |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    | 87782-2202                                                 | DDR                                      | 2.5 V          | 2.30         |                                                                                                                                  |                                                            |                    |                        |                           |              |            |           |         |         |         |         |         | NIL   | TYPE A |                                                                                                                           |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 200                | 87782-2203                                                 | DDR2                                     | 1.8 V          | 1.30         | 23.40                                                                                                                            | 38.40                                                      | 35.40              | 65.80                  | 82.8                      | 82.8         | 93.00      | 24.60     | 64.80   | 68.80   | 32.60   | 44.55   | 62.40   | YES   | TYPE A | C                                                                                                                         |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    | 87782-2204                                                 | DDR                                      | 2.5 V          | 2.30         |                                                                                                                                  |                                                            |                    |                        |                           |              |            |           |         |         |         |         |         | YES   | TYPE A |                                                                                                                           |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                                                            |                                          |                |              |                                                                                                                                  |                                                            |                    |                        |                           |              |            |           |         |         |         |         |         |       |        | B                                                                                                                         |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                                                            |                                          |                |              |                                                                                                                                  |                                                            |                    |                        |                           |              |            |           |         |         |         |         |         |       |        | A                                                                                                                         |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <table><tr><td rowspan="5">ADD DDR3 OPTION<br/>EC NO: S2008-1057<br/>2008/06/20<br/>DRWN:CMTE0<br/>CHKD:GJTAN<br/>2008/06/20<br/>APPR:SHLENI<br/>2008/06/23</td><td rowspan="5">DESCRIPTION<br/>REV</td><td>QUALITY<br/>SYMBOLS<br/>▼=0<br/>▽=0</td><td colspan="3">GENERAL TOLERANCES<br/>(UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE<br/>MM ONLY</td><td>SCALE<br/>NTS</td><td>DESIGN UNITS<br/>METRIC</td><td colspan="2">THIRD ANGLE<br/>PROJECTION</td></tr><tr><td rowspan="4">DRAFT WHERE APPLICABLE<br/>MUST REMAIN<br/>WITHIN DIMENSIONS</td><td>mm</td><td>INCH</td><td>DRAWN BY</td><td>DATE</td><td colspan="5" rowspan="2">TITLE<br/>MINI DIMM, 0.60MM PITCH<br/>200/244 CKTS, VERTICAL</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td><td>MLONG</td><td>2003/01/07</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td><td>CHECKED BY</td><td>DATE</td></tr><tr><td>2 PLACES</td><td>± 0.13</td><td>± ---</td><td>PTL IM</td><td>2003/07/16</td></tr><tr><td colspan="3"></td><td>1 PLACE</td><td>± 0.25</td><td>± ---</td><td>APPROVED BY</td><td>DATE</td><td colspan="5" rowspan="2">MOLEX INCORPORATED</td></tr><tr><td colspan="3"></td><td>ANGULAR ± 1 °</td><td>SKTOH</td><td>2003/07/17</td></tr><tr><td colspan="3"></td><td colspan="2"></td><td>MATERIAL NO.</td><td colspan="5">SEE TABLE</td><td colspan="2">DOCUMENT NO.</td><td colspan="2">SHEET NO.</td></tr><tr><td colspan="3"></td><td colspan="2"></td><td>SIZE<br/>A3</td><td colspan="15">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br/>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr></table> |                    |                                                            |                                          |                |              |                                                                                                                                  |                                                            |                    |                        |                           |              |            |           |         |         |         |         |         |       |        | ADD DDR3 OPTION<br>EC NO: S2008-1057<br>2008/06/20<br>DRWN:CMTE0<br>CHKD:GJTAN<br>2008/06/20<br>APPR:SHLENI<br>2008/06/23 | DESCRIPTION<br>REV | QUALITY<br>SYMBOLS<br>▼=0<br>▽=0 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |  |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS | mm | INCH | DRAWN BY | DATE | TITLE<br>MINI DIMM, 0.60MM PITCH<br>200/244 CKTS, VERTICAL |  |  |  |  | 4 PLACES | ± --- | ± --- | MLONG | 2003/01/07 | 3 PLACES | ± --- | ± --- | CHECKED BY | DATE | 2 PLACES | ± 0.13 | ± --- | PTL IM | 2003/07/16 |  |  |  | 1 PLACE | ± 0.25 | ± --- | APPROVED BY | DATE | MOLEX INCORPORATED |  |  |  |  |  |  |  | ANGULAR ± 1 ° | SKTOH | 2003/07/17 |  |  |  |  |  | MATERIAL NO. | SEE TABLE |  |  |  |  | DOCUMENT NO. |  | SHEET NO. |  |  |  |  |  |  | SIZE<br>A3 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ADD DDR3 OPTION<br>EC NO: S2008-1057<br>2008/06/20<br>DRWN:CMTE0<br>CHKD:GJTAN<br>2008/06/20<br>APPR:SHLENI<br>2008/06/23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DESCRIPTION<br>REV | QUALITY<br>SYMBOLS<br>▼=0<br>▽=0                           | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |                |              | DIMENSION STYLE<br>MM ONLY                                                                                                       |                                                            | SCALE<br>NTS       | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |              |            |           |         |         |         |         |         |       |        |                                                                                                                           |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS | mm                                       | INCH           | DRAWN BY     | DATE                                                                                                                             | TITLE<br>MINI DIMM, 0.60MM PITCH<br>200/244 CKTS, VERTICAL |                    |                        |                           |              |            |           |         |         |         |         |         |       |        |                                                                                                                           |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                                                            | 4 PLACES                                 | ± ---          | ± ---        | MLONG                                                                                                                            |                                                            |                    |                        |                           |              | 2003/01/07 |           |         |         |         |         |         |       |        |                                                                                                                           |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                                                            | 3 PLACES                                 | ± ---          | ± ---        | CHECKED BY                                                                                                                       | DATE                                                       |                    |                        |                           |              |            |           |         |         |         |         |         |       |        |                                                                                                                           |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                                                            | 2 PLACES                                 | ± 0.13         | ± ---        | PTL IM                                                                                                                           | 2003/07/16                                                 |                    |                        |                           |              |            |           |         |         |         |         |         |       |        |                                                                                                                           |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                                                            | ANGULAR ± 1 °                            | SKTOH          | 2003/07/17   |                                                                                                                                  |                                                            |                    |                        |                           |              |            |           |         |         |         |         |         |       |        |                                                                                                                           |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                                                            |                                          |                | MATERIAL NO. | SEE TABLE                                                                                                                        |                                                            |                    |                        |                           | DOCUMENT NO. |            | SHEET NO. |         |         |         |         |         |       |        |                                                                                                                           |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                                                            |                                          |                | SIZE<br>A3   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                            |                    |                        |                           |              |            |           |         |         |         |         |         |       |        |                                                                                                                           |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| fb_frame_A3_P_AM_T<br>Rev. E 2006/04/15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 9                  | 8                                                          | 7                                        | 6              | 5            | 4                                                                                                                                | 3                                                          | 2                  | 1                      |                           |              |            |           |         |         |         |         |         |       |        |                                                                                                                           |                    |                                  |                                          |  |  |                            |  |              |                        |                           |  |                                                            |    |      |          |      |                                                            |  |  |  |  |          |       |       |       |            |          |       |       |            |      |          |        |       |        |            |  |  |  |         |        |       |             |      |                    |  |  |  |  |  |  |  |               |       |            |  |  |  |  |  |              |           |  |  |  |  |              |  |           |  |  |  |  |  |  |            |                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |