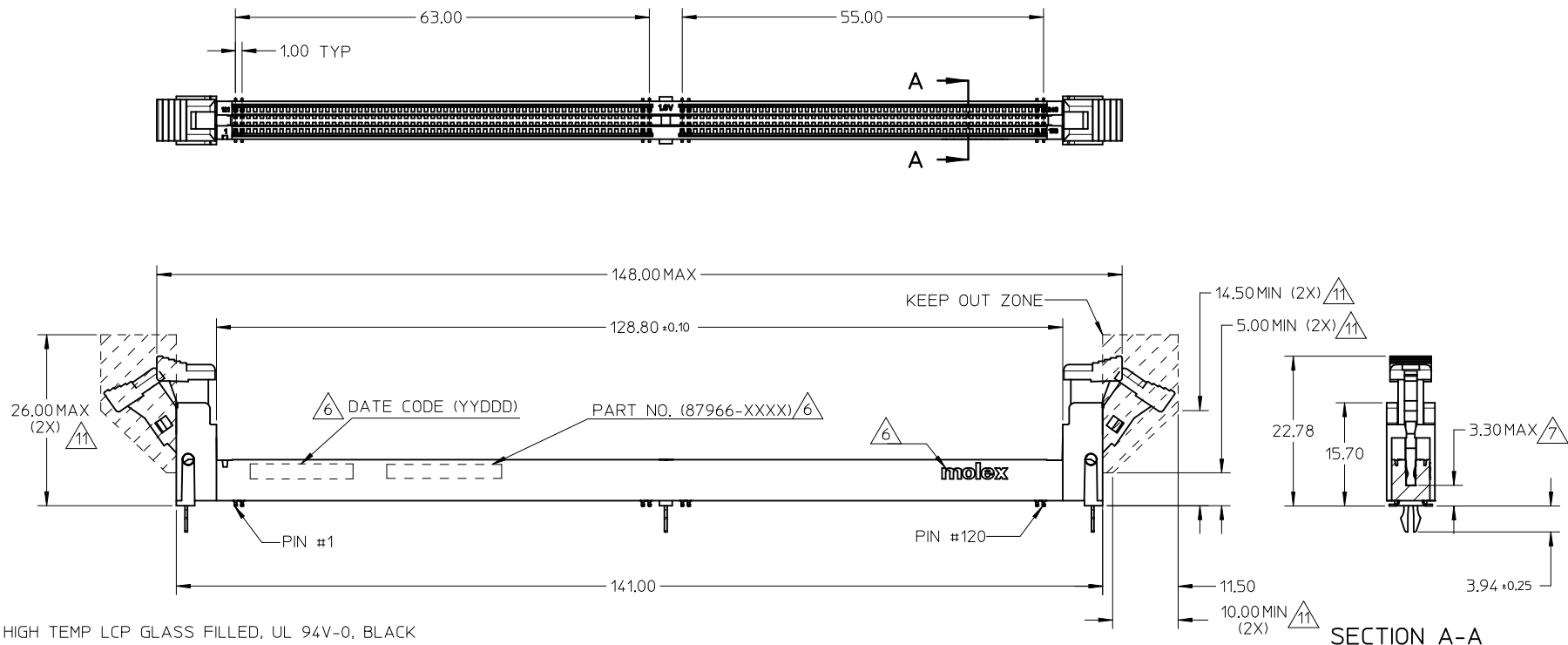




# NOTES:

- MATERIALS  
HOUSING - HIGH TEMP LCP GLASS FILLED, UL 94V-0, BLACK  
EJECTORS - HIGH TEMP NYLON GLASS FILLED, UL 94V-0, BLACK  
TERMINALS - COPPER ALLOY
- PLATING OPTION - PLS REFER TO SHEET 5.
- CARD SLOT ACCEPTS 1.27±0.10MM MODULE THICKNESS. (MEASURED OVER PC PADS)
- RECOMMENDED MODULE LAYOUT SHALL BE AS PER JEDEC MO-237. PLS REFER TO SHEET 3.
- PRODUCT IS PACKED INTO TRAYS. WRAP IN MOISTURE BARRIER BAG WITH SILICA GEL.
- MOLEX LOGO, DATE CODE & PART NO. INDICATED ON HOUSING.
- DIMM MODULE SEATING PLANE FROM TOP OF PCB.
- COPLANARITY FOR SOLDER TAILS SHALL NOT EXCEED 0.20MM.
- REFER TO PRODUCT SPEC. PS-87966-001 FOR PERFORMANCE SPECIFICATIONS.
- THE KEEP OUT AREA IS THE AREA WHERE THE CONNECTOR IS MOUNTED ONTO THE PCB, WHICH DOES NOT INCLUDE THE LATCH.
- KEEP OUT ZONE AS PER JEDEC SO-001.
- CONTACT MOLEX FOR AVAILABILITY OF PRODUCT OPTIONS.

| ADDED MBB & S.GEL<br>EC NO: S2012-0451<br>2012/12/07<br>DRWN:CCTEH<br>CHK:DEKSOH<br>2013/01/03<br>APPR:SHLENI<br>B2                         | DESCRIPTION<br>REV | QUALITY SYMBOLS<br><div><div><div>F<sub>A</sub>=0</div><div>F<sub>G</sub>=0</div><div>F<sub>P</sub>=0</div></div></div> | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                                                                                                                                                                                                                                        |              | DIMENSION STYLE<br>MM ONLY |    | SCALE<br>NTS | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |       |          |       |       |          |        |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                          |  |          |      |       |            |            |      |         |            |             |      |       |            |                                                   |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------|----|--------------|------------------------|---------------------------|-------|----------|-------|-------|----------|--------|-------|---------|-------|-------|---------|---|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|------|-------|------------|------------|------|---------|------------|-------------|------|-------|------------|---------------------------------------------------|--|--|--|
|                                                                                                                                             |                    |                                                                                                                         | <table><thead><tr><th></th><th>mm</th><th>INCH</th></tr></thead><tbody><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>2 PLACES</td><td>± 0.10</td><td>± ---</td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td></tr><tr><td>0 PLACE</td><td>±</td><td>±</td></tr></tbody></table> |              |                            | mm | INCH         | 4 PLACES               | ± ---                     | ± --- | 3 PLACES | ± --- | ± --- | 2 PLACES | ± 0.10 | ± --- | 1 PLACE | ± --- | ± --- | 0 PLACE | ± | ± | <table><tbody><tr><td>DRAWN BY</td><td>DATE</td></tr><tr><td>CCTEH</td><td>2005/10/19</td></tr><tr><td>CHECKED BY</td><td>DATE</td></tr><tr><td>SRAMESH</td><td>2005/11/21</td></tr><tr><td>APPROVED BY</td><td>DATE</td></tr><tr><td>GGLEE</td><td>2005/11/21</td></tr></tbody></table> |  | DRAWN BY | DATE | CCTEH | 2005/10/19 | CHECKED BY | DATE | SRAMESH | 2005/11/21 | APPROVED BY | DATE | GGLEE | 2005/11/21 | TITLE<br>DDR2 DIMM, 1.00MM PITCH<br>240 CKTS, SMT |  |  |  |
|                                                                                                                                             |                    |                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                              | mm           | INCH                       |    |              |                        |                           |       |          |       |       |          |        |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                          |  |          |      |       |            |            |      |         |            |             |      |       |            |                                                   |  |  |  |
|                                                                                                                                             |                    |                                                                                                                         | 4 PLACES                                                                                                                                                                                                                                                                                                                                                     | ± ---        | ± ---                      |    |              |                        |                           |       |          |       |       |          |        |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                          |  |          |      |       |            |            |      |         |            |             |      |       |            |                                                   |  |  |  |
|                                                                                                                                             |                    |                                                                                                                         | 3 PLACES                                                                                                                                                                                                                                                                                                                                                     | ± ---        | ± ---                      |    |              |                        |                           |       |          |       |       |          |        |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                          |  |          |      |       |            |            |      |         |            |             |      |       |            |                                                   |  |  |  |
| 2 PLACES                                                                                                                                    | ± 0.10             | ± ---                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                              |              |                            |    |              |                        |                           |       |          |       |       |          |        |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                          |  |          |      |       |            |            |      |         |            |             |      |       |            |                                                   |  |  |  |
| 1 PLACE                                                                                                                                     | ± ---              | ± ---                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                              |              |                            |    |              |                        |                           |       |          |       |       |          |        |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                          |  |          |      |       |            |            |      |         |            |             |      |       |            |                                                   |  |  |  |
| 0 PLACE                                                                                                                                     | ±                  | ±                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                              |              |                            |    |              |                        |                           |       |          |       |       |          |        |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                          |  |          |      |       |            |            |      |         |            |             |      |       |            |                                                   |  |  |  |
| DRAWN BY                                                                                                                                    | DATE               |                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                              |              |                            |    |              |                        |                           |       |          |       |       |          |        |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                          |  |          |      |       |            |            |      |         |            |             |      |       |            |                                                   |  |  |  |
| CCTEH                                                                                                                                       | 2005/10/19         |                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                              |              |                            |    |              |                        |                           |       |          |       |       |          |        |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                          |  |          |      |       |            |            |      |         |            |             |      |       |            |                                                   |  |  |  |
| CHECKED BY                                                                                                                                  | DATE               |                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                              |              |                            |    |              |                        |                           |       |          |       |       |          |        |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                          |  |          |      |       |            |            |      |         |            |             |      |       |            |                                                   |  |  |  |
| SRAMESH                                                                                                                                     | 2005/11/21         |                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                              |              |                            |    |              |                        |                           |       |          |       |       |          |        |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                          |  |          |      |       |            |            |      |         |            |             |      |       |            |                                                   |  |  |  |
| APPROVED BY                                                                                                                                 | DATE               |                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                              |              |                            |    |              |                        |                           |       |          |       |       |          |        |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                          |  |          |      |       |            |            |      |         |            |             |      |       |            |                                                   |  |  |  |
| GGLEE                                                                                                                                       | 2005/11/21         |                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                              |              |                            |    |              |                        |                           |       |          |       |       |          |        |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                          |  |          |      |       |            |            |      |         |            |             |      |       |            |                                                   |  |  |  |
| ANGULAR ± 1 °                                                                                                                               |                    | MATERIAL NO.                                                                                                            |                                                                                                                                                                                                                                                                                                                                                              | DOCUMENT NO. |                            |    |              | SHEET NO.              |                           |       |          |       |       |          |        |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                          |  |          |      |       |            |            |      |         |            |             |      |       |            |                                                   |  |  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                  |                    | SEE TABLE                                                                                                               |                                                                                                                                                                                                                                                                                                                                                              | SD-87966-002 |                            |    |              | 1 OF 5                 |                           |       |          |       |       |          |        |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                          |  |          |      |       |            |            |      |         |            |             |      |       |            |                                                   |  |  |  |
| SIZE A3<br>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                              |              |                            |    |              |                        |                           |       |          |       |       |          |        |       |         |       |       |         |   |   |                                                                                                                                                                                                                                                                                          |  |          |      |       |            |            |      |         |            |             |      |       |            |                                                   |  |  |  |

10 9 8 7 6 5 4 3 2 1

F F

E E

D D

C C

B B

A A

7.35

33.10 REF

1.55 REF

3.10 REF

tb\_frame\_A3\_P\_AM\_T  
Rev. G 2012/01/11

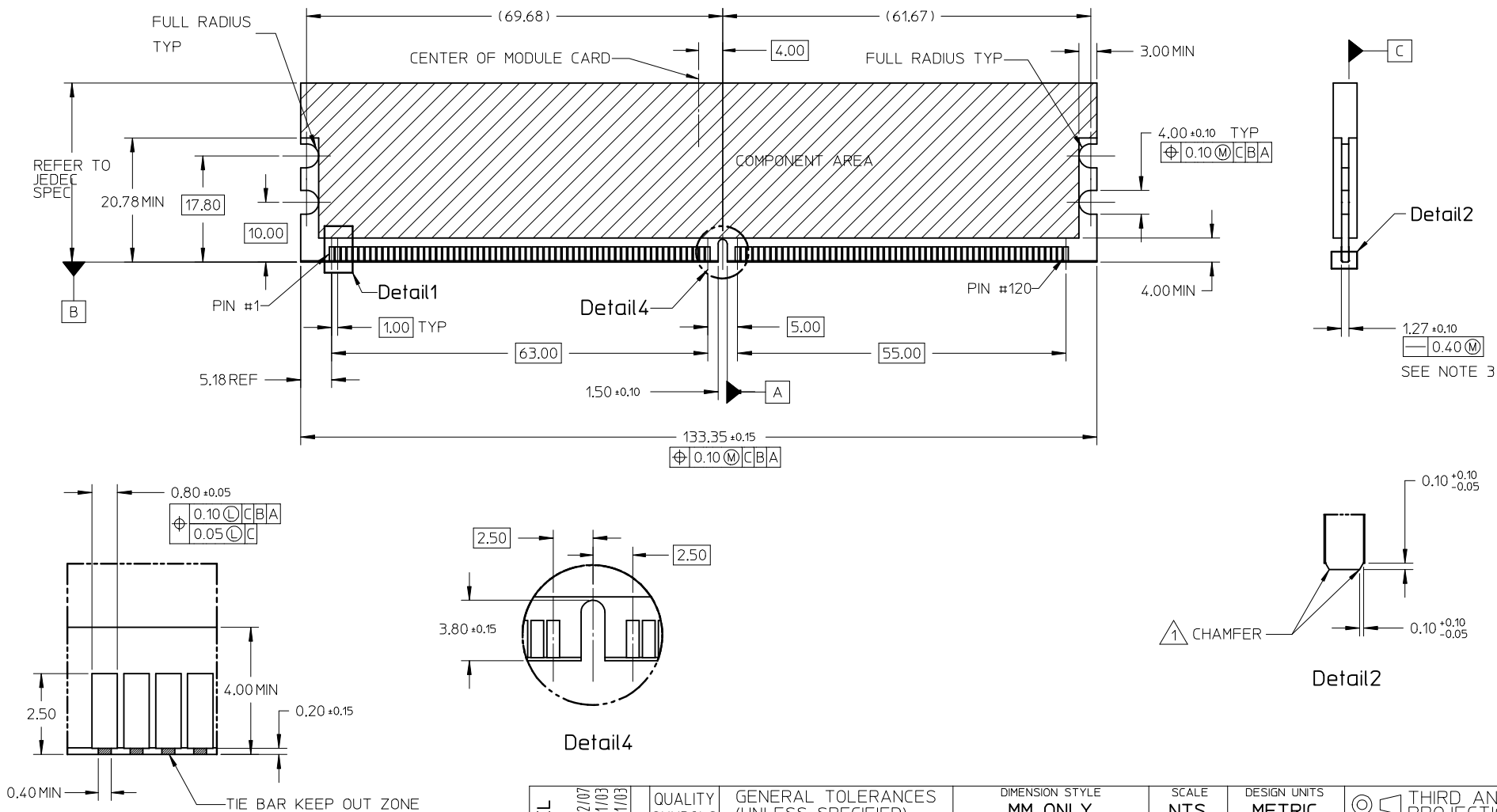
9 8 7 6 5 4 3 2 1

|                                                                                                                          |     |             |                                                                                                     |                                       |  |                            |  |                                                                                                                                  |                        |                                                          |                                                  |           |  |
|--------------------------------------------------------------------------------------------------------------------------|-----|-------------|-----------------------------------------------------------------------------------------------------|---------------------------------------|--|----------------------------|--|----------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------|--------------------------------------------------|-----------|--|
| ADDED MBB & S.GEL<br>EC NO: S2012-0451<br>DRWN:CCTEH 2012/12/07<br>CHKD:EKSOH 2013/01/03<br>APPR:SHLENI 2013/01/03<br>B2 | REV | DESCRIPTION | QUALITY SYMBOLS<br><div>▽<sub>F</sub>=0</div> <div>▽<sub>E</sub>=0</div> <div>▽<sub>B</sub>=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS                                                                                                                     | DESIGN UNITS<br>METRIC | <div><div></div><div></div></div> THIRD ANGLE PROJECTION | TITLE<br>DDR2 DIMM, 100MM PITCH<br>240 CKTS, SMT |           |  |
|                                                                                                                          |     |             |                                                                                                     |                                       |  | DRAWN BY<br>CCTEH          |  | DATE<br>2005/10/19                                                                                                               |                        |                                                          |                                                  |           |  |
|                                                                                                                          |     |             |                                                                                                     |                                       |  | CHECKED BY<br>SRRAMESH     |  | DATE<br>2005/11/21                                                                                                               |                        |                                                          |                                                  |           |  |
|                                                                                                                          |     |             |                                                                                                     |                                       |  | APPROVED BY<br>GGLEE       |  | DATE<br>2005/11/21                                                                                                               |                        |                                                          |                                                  |           |  |
|                                                                                                                          |     |             |                                                                                                     |                                       |  | MATERIAL NO.               |  | DOCUMENT NO.                                                                                                                     |                        |                                                          |                                                  | SHEET NO. |  |
|                                                                                                                          |     |             |                                                                                                     |                                       |  | SEE TABLE                  |  | SD-87966-002                                                                                                                     |                        |                                                          |                                                  | 2 OF 5    |  |
|                                                                                                                          |     |             |                                                                                                     |                                       |  | SIZE<br>A3                 |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                                                          |                                                  |           |  |
|                                                                                                                          |     |             |                                                                                                     |                                       |  |                            |  |                                                                                                                                  |                        |                                                          |                                                  |           |  |
|                                                                                                                          |     |             |                                                                                                     |                                       |  |                            |  |                                                                                                                                  |                        |                                                          |                                                  |           |  |
|                                                                                                                          |     |             |                                                                                                     |                                       |  |                            |  |                                                                                                                                  |                        |                                                          |                                                  |           |  |

SHEET NO.  
2 OF 5

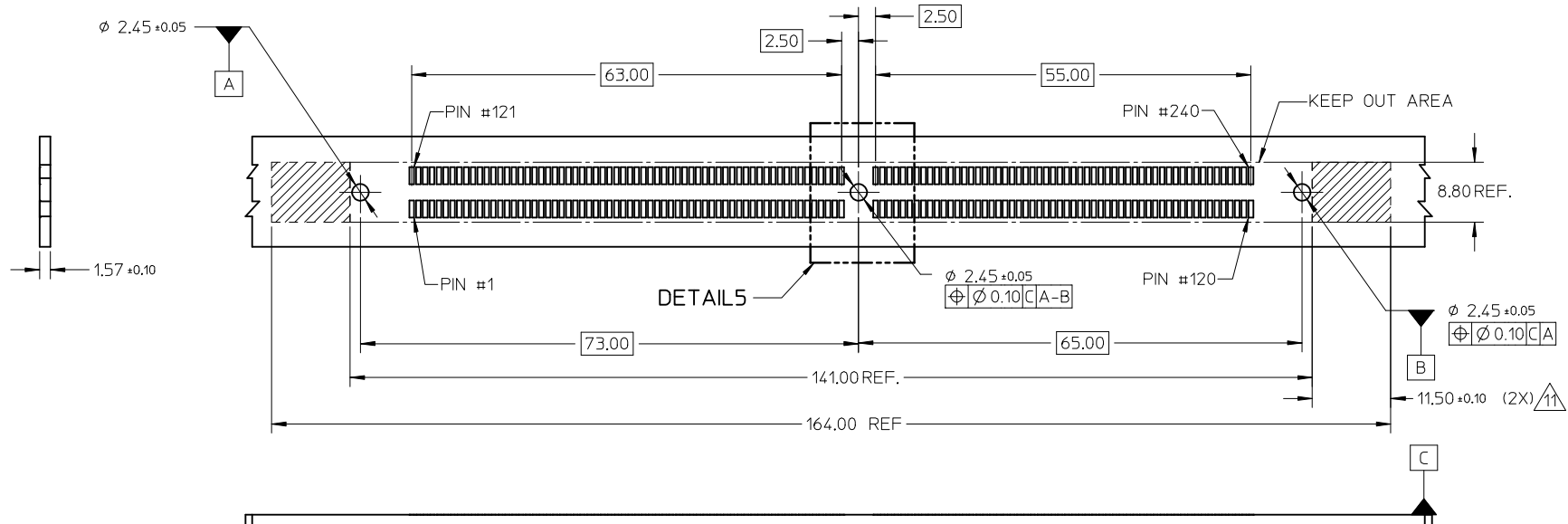
10 9 8 7 6 5 4 3 2 1

# RECOMMENDED MODULE LAYOUT

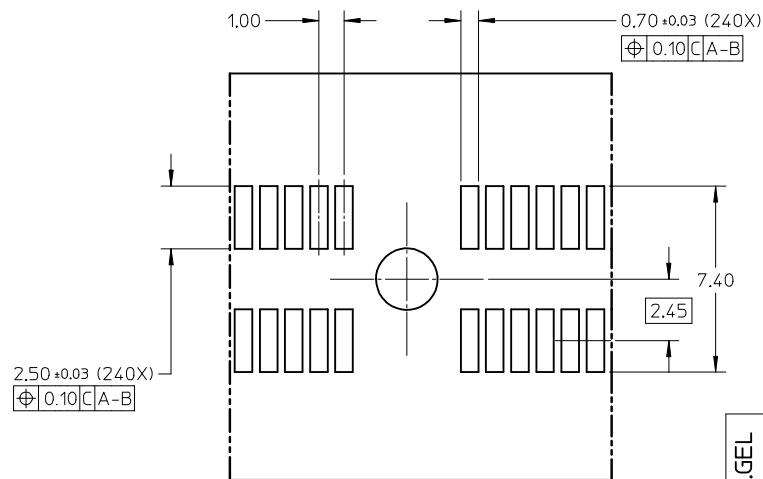


NOTES:  
1. MODULE CARD USED IN PRODUCT TESTING ARE CHAMFER.

|                                                                                                                   |             |                                                                    |                                       |        |                            |                        |                                                                                                                               |                                                  |                           |  |  |  |                     |  |
|-------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------|---------------------------------------|--------|----------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------|--|--|--|---------------------|--|
| ADDED MBB & S.GEL<br>EC NO: S2012-0451<br>DRWN:CTEH 2012/12/07<br>CHKD:EKSOH 2013/01/03<br>APPR:SHLENI 2013/01/03 | DESCRIPTION | QUALITY SYMBOLS<br><div>FA=0</div> <div>FG=0</div> <div>FP=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>CCTEH      | DATE<br>2005/10/19                                                                                                            | TITLE<br>DDR2 DIMM, 100MM PITCH<br>240 CKTS, SMT |                           |  |  |  |                     |  |
|                                                                                                                   |             |                                                                    | 4 PLACES                              | ± ---  | ± ---                      | CHECKED BY<br>SRRAMESH | DATE<br>2005/11/21                                                                                                            |                                                  |                           |  |  |  |                     |  |
|                                                                                                                   |             |                                                                    | 3 PLACES                              | ± ---  | ± ---                      |                        |                                                                                                                               | DOCUMENT NO.<br>SD-87966-002                     |                           |  |  |  |                     |  |
|                                                                                                                   |             |                                                                    | 2 PLACES                              | ± 0.10 | ± ---                      |                        |                                                                                                                               |                                                  |                           |  |  |  |                     |  |
|                                                                                                                   |             |                                                                    | 1 PLACE                               | ± ---  | ± ---                      | APPROVED BY<br>GGLEE   | DATE<br>2005/11/21                                                                                                            |                                                  |                           |  |  |  | SHEET NO.<br>3 OF 5 |  |
| 0 PLACE                                                                                                           | ±           | ±                                                                  |                                       |        |                            |                        |                                                                                                                               |                                                  |                           |  |  |  |                     |  |
|                                                                                                                   |             |                                                                    | ANGULAR ± 1 °                         |        | MATERIAL NO.               |                        |                                                                                                                               |                                                  |                           |  |  |  |                     |  |
|                                                                                                                   |             |                                                                    | DRAFT WHERE APPLICABLE                |        | SEE TABLE                  |                        |                                                                                                                               |                                                  |                           |  |  |  |                     |  |
|                                                                                                                   |             |                                                                    | MUST REMAIN WITHIN DIMENSIONS         |        | SIZE<br>A3                 |                        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                  |                           |  |  |  |                     |  |
| B2                                                                                                                | REV         |                                                                    |                                       |        |                            |                        |                                                                                                                               |                                                  |                           |  |  |  |                     |  |



RECOMMENDED STENCIL THICKNESS = 150 $\mu$ M.



DETAIL5

|                                                                                                                    |  |             |                                                                                                     |                                       |  |                            |                    |                                                                                                                               |                        |                           |  |           |  |
|--------------------------------------------------------------------------------------------------------------------|--|-------------|-----------------------------------------------------------------------------------------------------|---------------------------------------|--|----------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------|--|-----------|--|
| ADDED MBB & S.GEL<br>EC NO: S2012-0451<br>DRWN:CCTEH 2012/12/07<br>CHK:DEKSOH 2013/01/03<br>APPR:SHLENI 2013/01/03 |  | DESCRIPTION | QUALITY SYMBOLS<br><div>F<sub>A</sub>=0</div> <div>F<sub>C</sub>=0</div> <div>F<sub>P</sub>=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |                    | SCALE<br>NTS                                                                                                                  | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  |           |  |
|                                                                                                                    |  |             |                                                                                                     |                                       |  | DRAWN BY<br>CCTEH          | DATE<br>2005/10/19 | TITLE<br>DDR2 DIMM, 1.00MM PITCH<br>240 CKTS, SMT                                                                             |                        |                           |  |           |  |
|                                                                                                                    |  |             |                                                                                                     |                                       |  | CHECKED BY<br>SRRAMESH     | DATE<br>2005/11/21 |                                                                                                                               |                        |                           |  |           |  |
|                                                                                                                    |  |             |                                                                                                     |                                       |  | APPROVED BY<br>GGLEE       | DATE<br>2005/11/21 |                                                                                                                               |                        |                           |  |           |  |
|                                                                                                                    |  |             |                                                                                                     |                                       |  | ANGULAR ± 1 °              |                    | MATERIAL NO.                                                                                                                  |                        | DOCUMENT NO.              |  | SHEET NO. |  |
|                                                                                                                    |  |             |                                                                                                     | DRAFT WHERE APPLICABLE                |  | SEE TABLE                  |                    | SD-87966-002                                                                                                                  |                        | 4 OF 5                    |  |           |  |
|                                                                                                                    |  |             |                                                                                                     | MUST REMAIN WITHIN DIMENSIONS         |  | SIZE<br>A3                 |                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                           |  |           |  |
|                                                                                                                    |  |             |                                                                                                     |                                       |  |                            |                    |                                                                                                                               |                        |                           |  |           |  |
|                                                                                                                    |  |             |                                                                                                     |                                       |  |                            |                    |                                                                                                                               |                        |                           |  |           |  |
|                                                                                                                    |  |             |                                                                                                     |                                       |  |                            |                    |                                                                                                                               |                        |                           |  |           |  |
| B2                                                                                                                 |  | REV         |                                                                                                     |                                       |  |                            |                    |                                                                                                                               |                        |                           |  |           |  |

