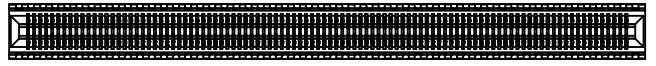
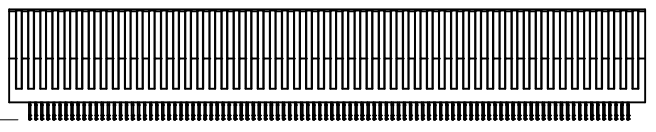


| PART NUMBER | VERSION | BAY 1/BAY 2 | TOTAL CIRCUITS | DIM A  | SALES DRAWING (SEE NOTE 8) |
|-------------|---------|-------------|----------------|--------|----------------------------|
| 170673-2278 | 2 BAY   | 146/132     | 278            | 118.63 | SD-170673-2278             |
| 170673-1200 | 1 BAY   | 200         | 200            | 84.20  | SD-170673-1200             |
| 170673-2108 | 2 BAY   | 86/22       | 108            | 50.63  | SD-170673-2108             |
| 170673-2080 | 2 BAY   | 52/28       | 80             | 39.43  | SD-170673-2080             |
| 170673-1046 | 1 BAY   | 46          | 46             | 22.60  | SD-170673-1046             |

2 BAY EDGELINE



1 BAY EDGELINE



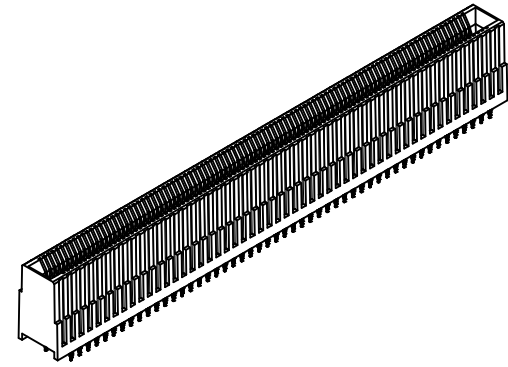
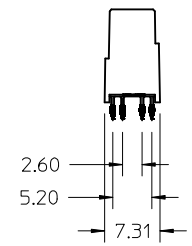
LAST CIRCUIT



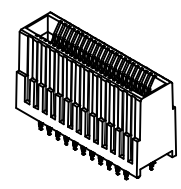
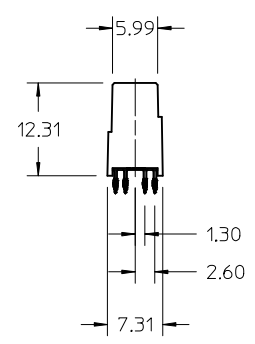
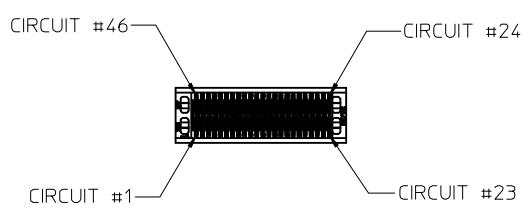
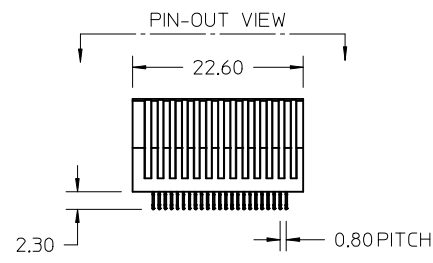
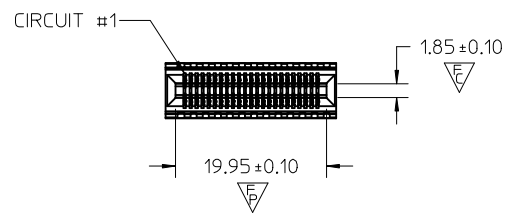
FIRST CIRCUIT

NOTES:

- MATERIAL:  
HOUSING - GLASS FILLED THERMOPLASTIC, 94-V0, BLACK  
TERMINALS - COPPER ALLOY
- FINISH:  
CONTACT AREA: HARD GOLD -0.76μm MIN OVER 3.80μ NICKEL  
COMPLIANT AREA: TIN - 0.76/1.52μm OVER NICKEL
- REFER TO PS-75594-999 PRODUCT SPECIFICATION FOR ALL ELECTRICAL, MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS.
- PROCESSING: PRESSFIT TO PC BOARD.
- MATING PC BOARD THICKNESS = 1.60±0.16MM OVER CONTACT PADS.
- PRODUCT IS ELV AND RoHS COMPLIANT. LEVEL OF COMPLIANCE: 6/6  
ALL BANNED SUBSTANCES ARE REMOVED:  
Pb (LEAD)  
HEXAVALENT CHROMIUM (CrVI)  
CADMIUM  
MERCURY  
POLYBROMINATED BIPHENYL (PBB)  
POLYBROMINATED DIPHENYL ETHER (PBDE)
- THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002
- FOR EDGECARD AND MOUNTING PCB LAYOUT DETAIL SEE CORRESPONDING SALES DRAWING.



|  |                                   |  |                                       |            |                                   |            |                     |  |                        |  |  |  |
|--|-----------------------------------|--|---------------------------------------|------------|-----------------------------------|------------|---------------------|--|------------------------|--|--|--|
| <b>RELEASED REV A</b><br>EC NO: UCP2011-2702<br>DRWNG: DROSCA 2011/03/07<br>CHKD: JCOMERCI 2011/03/28<br>APPR: JCOMERCI 2011/03/28 | DESCRIPTION<br>REV<br>0<br>0<br>0 | QUALITY SYMBOLS<br>▽ = 0<br>▽ = 0<br>▽ = 0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |            | DIMENSION STYLE<br><b>MM ONLY</b> |            | SCALE<br><b>2:1</b> | DESIGN UNITS<br><b>METRIC</b>                          | THIRD ANGLE PROJECTION |  |  |  |
|  |                                   |  | 4 PLACES ±                            | mm         | INCH                              | DRAWN BY   | DATE                | <b>EDGELINE 12.5GB</b><br><b>0.062"PCB 0.8MM PITCH</b> |                        |  |  |  |
|  |                                   |  | 3 PLACES ±                            |            |                                   | DROSCA     | 2010/06/22          |  |                        |  |  |  |
|  |                                   |  | 2 PLACES ±                            |            |                                   | CHECKED BY | DATE                | <b>MOLEX INCORPORATED</b>                              |                        |  |  |  |
| 1 PLACE ±  |                                   |  | JCOMERCI                              | 2010/06/22 |                                   |            |                     |  |                        |  |  |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS   |                                   |  | ANGULAR ±1/2°                         |            | APPROVED BY<br>JCOMERCI           |            | DATE                | MATERIAL NO.<br><b>SEE TABLE</b>                       |                        |  |  |  |
|  |                                   |  |                                       |            | DATE<br>2010/10/25                |            | DOCUMENT NO.        | SHEET NO.<br><b>SD-170673-0001</b><br>1 OF 1           |                        |  |  |  |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION      |                                   |  |                                       |            |                                   |            |                     |  |                        |  |  |  |



NOTES:

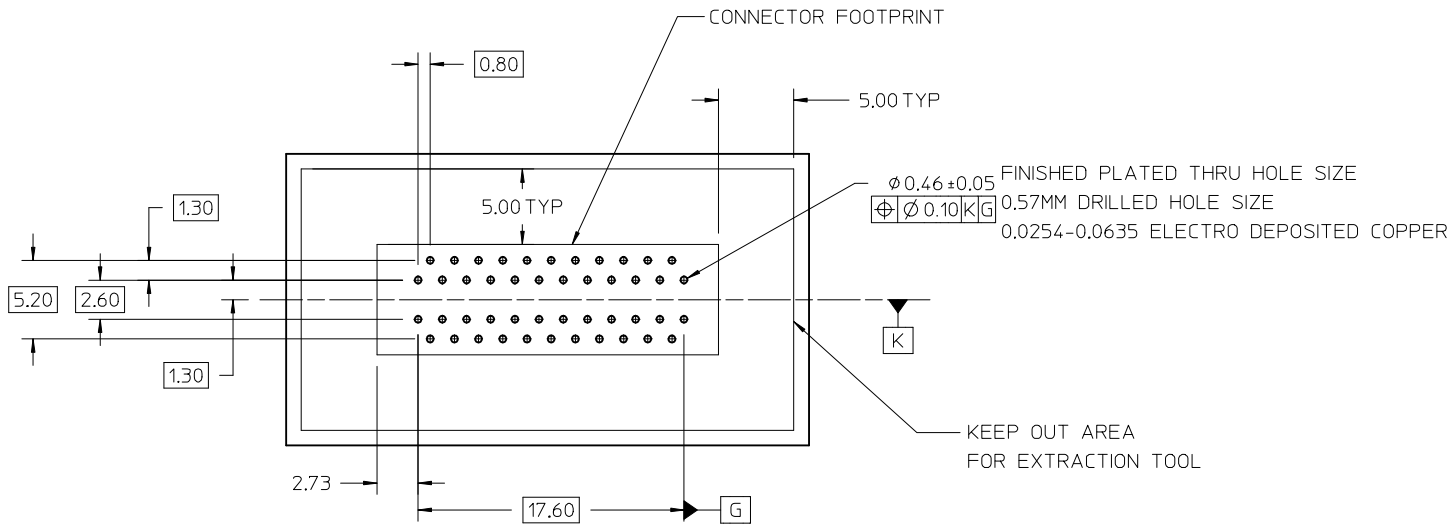
1. MATERIAL:  
HOUSING - GLASS FILLED THERMOPLASTIC, 94-V0, BLACK  
TERMINALS - COPPER ALLOY
2. FINISH:  
CONTACT AREA: HARD GOLD -0.76µm MIN OVER 3.80µ NICKEL  
COMPLIANT AREA: TIN - 0.76/1.52µm OVER NICKEL
3. REFER TO PS-75594-999 PRODUCT SPECIFICATION FOR ALL ELECTRICAL, MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS.
4. REFER TO PK-76693-900 FOR ALL PACKAGING SPECIFICATIONS.
5. PROCESSING: PRESSFIT TO PC BOARD.
6. MATING PC BOARD THICKNESS = 1.60±0.16MM OVER CONTACT PADS.
7. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002

|   |                    |  |                                       |                |  |              |              |   |  |  |
|---|--------------------|--|---------------------------------------|----------------|--|--------------|--------------|---|--|--|
| EDGECARD SPEC UPDATED<br>EC NO: UCP2015-1286<br>DRWNGES 2014/09/26<br>CHKD:MPFF 2014/10/13<br>APPR:SMILLER 2015/01/29         | DESCRIPTION<br>REV | QUALITY SYMBOLS  | GENERAL TOLERANCES (UNLESS SPECIFIED) |                | DIMENSION STYLE                        | SCALE        | DESIGN UNITS | THIRD ANGLE PROJECTION  |  |  |
|   |                    | ▽=0<br>▽=1<br>▽=1  | mm                                    | INCH           | MM ONLY                                | 2:1          | METRIC       | TITLE<br><b>EDGELINE 12.5GB 46CKTS</b><br>0.062*PCB 0.8MM PITCH |  |  |
|   |                    | 4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.15 ± ---<br>1 PLACE ± 0.25 ± ---<br>0 PLACE ± ± | DRAWN BY DATE<br>DROSCA 2011/03/18    |                | CHECKED BY DATE<br>JCOMERCI 2011/03/28 |              |              |   |  |  |
|   |                    | ANGULAR ± 2 °  |                                       | MATERIAL NO.   |  | DOCUMENT NO. |              | SHEET NO.   |  |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |                    | 1707631046   |                                       | SD-170673-1046 |  | 1 OF 4       |              |   |  |  |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |  |                                       |                |  |              |              |   |  |  |

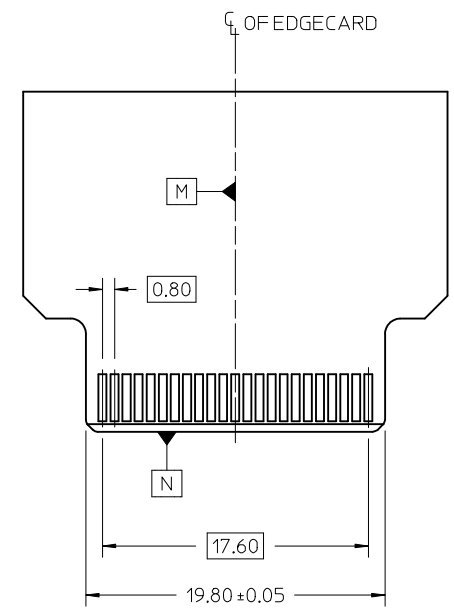
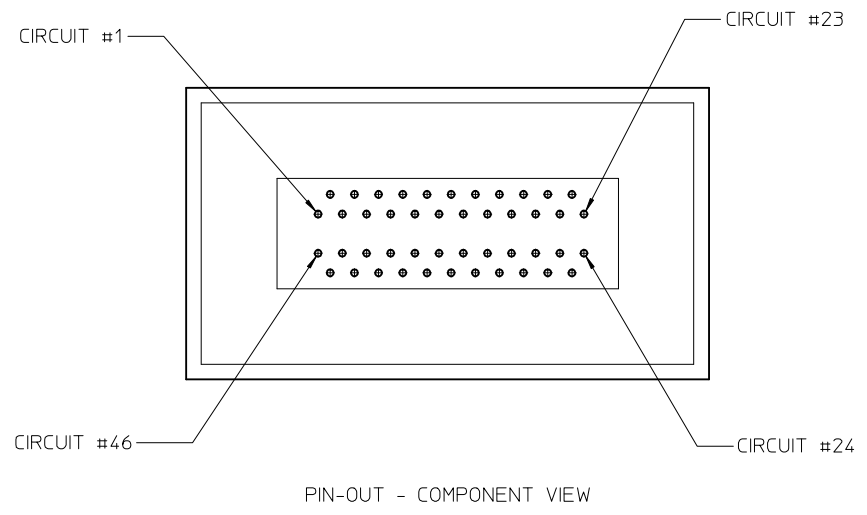
# EDGE LINE CONNECTOR BOARD MOUNTING



|  |                 |  |                      |   |              |                        |
|--|-----------------|--|----------------------|---|--------------|------------------------|
| SEE SHEET 1<br>EC NO: UCP2015-1286<br>DRAWINGS: 2014/09/26<br>CHKD: MPOFF<br>APPR: MILLER 2015/01/29 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                | DIMENSION STYLE      | SCALE   | DESIGN UNITS | THIRD ANGLE PROJECTION |
|  | ▽=0             | mm INCH  | MM ONLY              | 2:1   | METRIC       |                        |
|  | ▽=0             | 4 PLACES ± --- ± ---                                 | DRAWN BY DATE        | TITLE   |              |                        |
|  | ▽=0             | 3 PLACES ± --- ± ---                                 | DROSCA 2011/03/18    | EDGE LINE 12.5GB 46CKTS<br>0.062"PCB 0.8MM PITCH  |              |                        |
|  |                 | 2 PLACES ± 0.15 ± ---                                | CHECKED BY DATE      | <b>molex</b><br>DOCUMENT NO. SD-170673-1046 SHEET NO. 2 OF 4  |              |                        |
|  |                 | 1 PLACE ± 0.25 ± ---                                 | JCOMERC I 2011/03/28 |   |              |                        |
|  |                 | 0 PLACE ± ±  | APPROVED BY DATE     |   |              |                        |
|  |                 | ANGULAR ± 2 °  | JCOMERC I 2011/03/28 |   |              |                        |
|  |                 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | MATERIAL NO.         |   |              |                        |
|  |                 |  | SEE SHEET 1          |   |              |                        |
|  |                 |  | SIZE                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |                        |

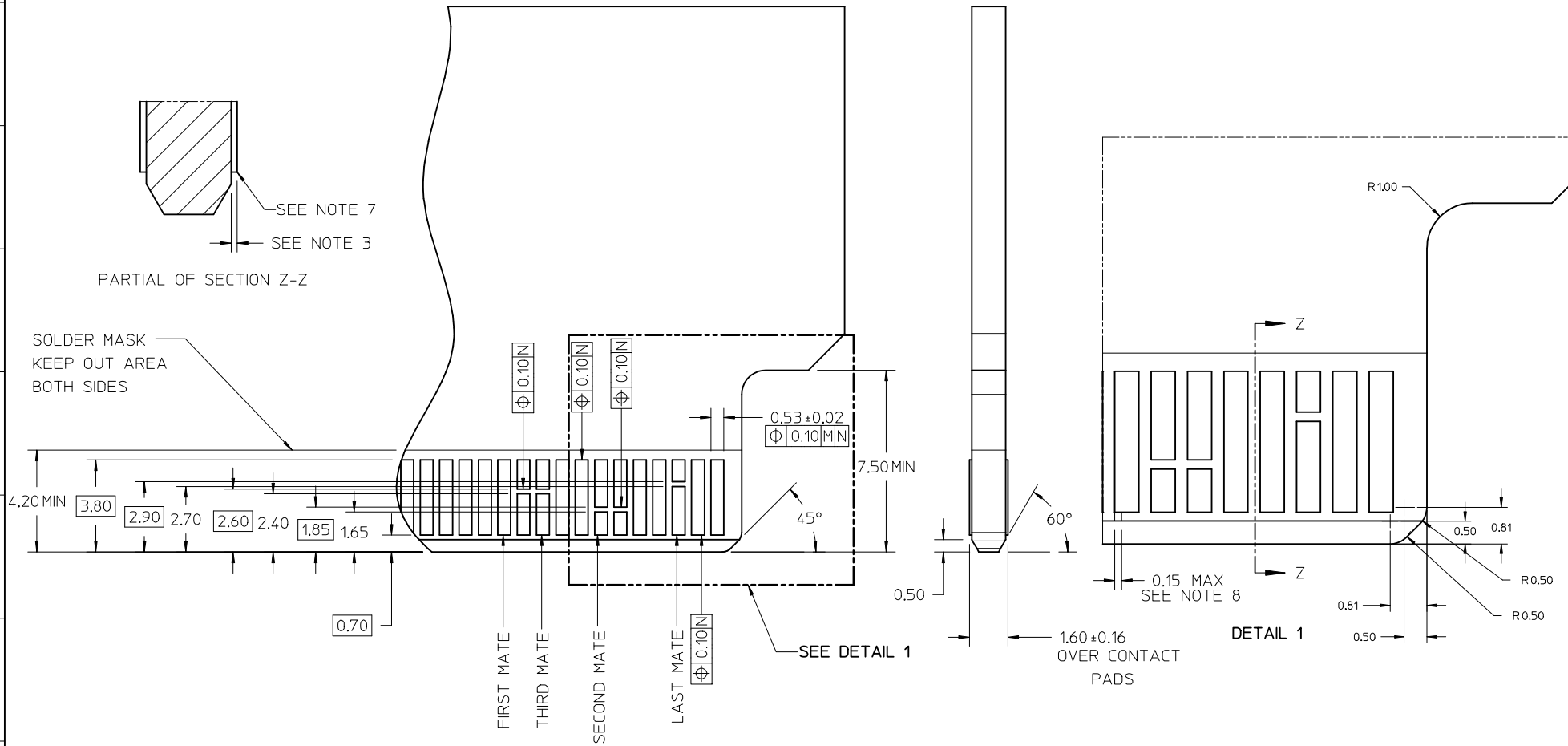


PCB LAYOUT - COMPONENT VIEW



| SEE SHEET 1<br>EC NO: UCP2015-1286<br>DRAWINGS: 2014/09/26<br>CHKD: MPOFF 2014/10/13<br>APPR: SMILLER 2015/01/29 | QUALITY SYMBOLS<br>$\nabla = 0$<br>$\nabla = 0$<br>$\nabla = 0$       | GENERAL TOLERANCES (UNLESS SPECIFIED)<br><table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.15</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.25</td> <td>± ---</td> </tr> <tr> <td>0 PLACE</td> <td>±</td> <td>±</td> </tr> </table> |   | mm | INCH | 4 PLACES | ± --- | ± --- | 3 PLACES | ± --- | ± --- | 2 PLACES | ± 0.15 | ± --- | 1 PLACE | ± 0.25 | ± --- | 0 PLACE | ± | ± | DIMENSION STYLE<br><b>MM ONLY</b><br>DRAWN BY: DROSCA<br>DATE: 2011/03/18<br>CHECKED BY: JCOMERC I<br>DATE: 2011/03/28<br>APPROVED BY: JCOMERC I<br>DATE: 2011/03/28 | SCALE: 4:1<br>DESIGN UNITS: METRIC<br>THIRD ANGLE PROJECTION | TITLE: EDGELINE 12.5GB 46CKTS<br>0.062"PCB 0.8MM PITCH<br><b>molex</b><br>DOCUMENT NO. SD-170673-1046<br>SHEET NO. 3 OF 4 |
|--|---|--|---|----|------|----------|-------|-------|----------|-------|-------|----------|--------|-------|---------|--------|-------|---------|---|---|--|--|---|
|  |   | mm   | INCH  |    |      |          |       |       |          |       |       |          |        |       |         |        |       |         |   |   |  |  |   |
|  | 4 PLACES  | ± ---  | ± ---   |    |      |          |       |       |          |       |       |          |        |       |         |        |       |         |   |   |  |  |   |
|  | 3 PLACES  | ± ---  | ± ---   |    |      |          |       |       |          |       |       |          |        |       |         |        |       |         |   |   |  |  |   |
| 2 PLACES   | ± 0.15  | ± ---  |   |    |      |          |       |       |          |       |       |          |        |       |         |        |       |         |   |   |  |  |   |
| 1 PLACE  | ± 0.25  | ± ---  |   |    |      |          |       |       |          |       |       |          |        |       |         |        |       |         |   |   |  |  |   |
| 0 PLACE  | ±   | ±  |   |    |      |          |       |       |          |       |       |          |        |       |         |        |       |         |   |   |  |  |   |
| SEE SHEET 1<br>EC NO: UCP2015-1286<br>DRAWINGS: 2014/09/26<br>CHKD: MPOFF 2014/10/13<br>APPR: SMILLER 2015/01/29 | ANGULAR ± 2 °<br>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | MATERIAL NO.<br><b>SEE SHEET 1</b>   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |    |      |          |       |       |          |       |       |          |        |       |         |        |       |         |   |   |  |  |   |

# MODULE EDGE CARD CONTACT DETAIL



**MATING PCB NOTES:**

- CONNECTOR LAND CONDITIONS SHALL MEET THE MOST CURRENT REVISION OF PCB SPECIFICATION IPC-6012C-2010 SECTION 3.5.4.4.
- DIMENSIONS APPLY TO LANDS ON BOTH SIDES OF THE BOARD.
- THE THICKNESS OF THE OUTER METAL LAYERS, INCLUDING FOIL, COPPER PLATING, AND THE PROTECTIVE SURFACE FINISH, SHALL BE 0.066mm MAX.
- CHAMFER ROUGHNESS NOT TO EXCEED 3.17 MICROMETERS.
- CHAMFER PROCESS SHALL NOT DAMAGE THE GOLD EDGE LANDS.
- EDGE CARD CHAMFER NOT TO GO THRU GOLD LANDS.
- 0.03mm MAX PLATING OVERHANG ON ALL GOLD LAND EDGES.
- MOLEX RECOMMENDS NO TIE-BARS ON THE LEADING EDGE OF THE GOLD LAND. IF TIE-BARS ARE USED, THEY SHALL BE PLACED TO ONE SIDE OF THE GOLD LAND. APPLIES TO ALL GOLD LANDS.

|   |                 |   |       |                 |            |   |                        |
|---|-----------------|---|-------|-----------------|------------|---|------------------------|
| SEE SHEET 1<br>EC NO: UCP2015-1286<br>2014/09/26<br>DRWNGES<br>2014/10/13<br>CHKD:MPJFF<br>2015/01/29<br>APPR:SMILLER | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)   |       | DIMENSION STYLE | SCALE      | DESIGN UNITS                                    | THIRD ANGLE PROJECTION |
|   | ▽=0             | mm  | INCH  | MM ONLY         | 8:1        | METRIC  |                        |
|   | ▽=0             | 4 PLACES ± ---  | ± --- | DRAWN BY        | DATE       | TITLE   |                        |
|   | ▽=0             | 3 PLACES ± ---  | ± --- | JCOMERC I       | 2011/03/18 | EDGELINE 12.5GB 46CKTS<br>0.062"PCB 0.8MM PITCH |                        |
| REV   | DESCRIPTION     | 1 PLACE ± 0.25  | ± --- | APPROVED BY     | DATE       | DOCUMENT NO.                                    |                        |
|   |                 | 0 PLACE ±   | ±     | JCOMERC I       | 2011/03/28 | SD-170673-1046                                  |                        |
|   |                 | ANGULAR ± 2 °   |       | MATERIAL NO.    |            | SHEET NO.                                       |                        |
|   |                 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |       | SEE SHEET 1     |            | 4 OF 4  |                        |
|   |                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |       |                 |            |   |                        |