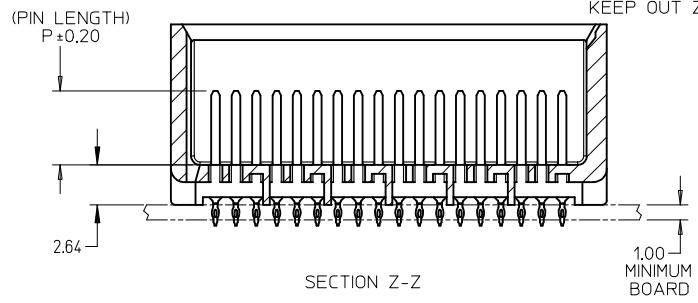
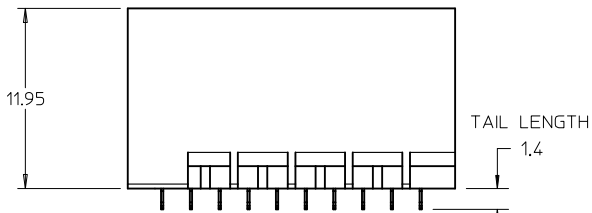
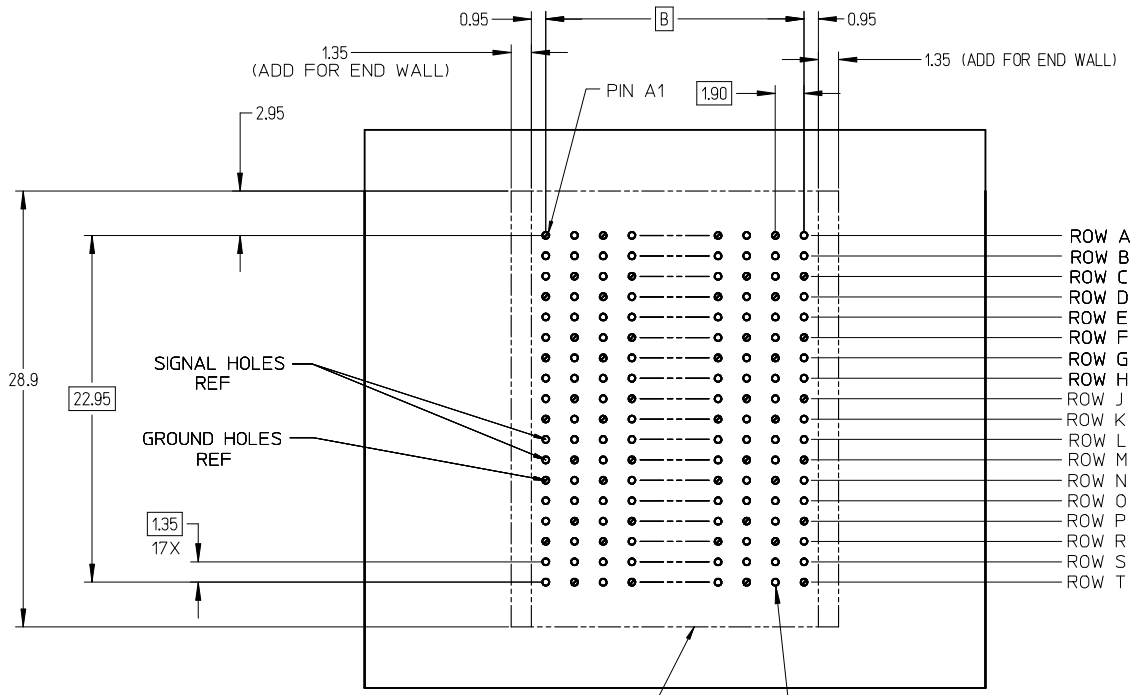
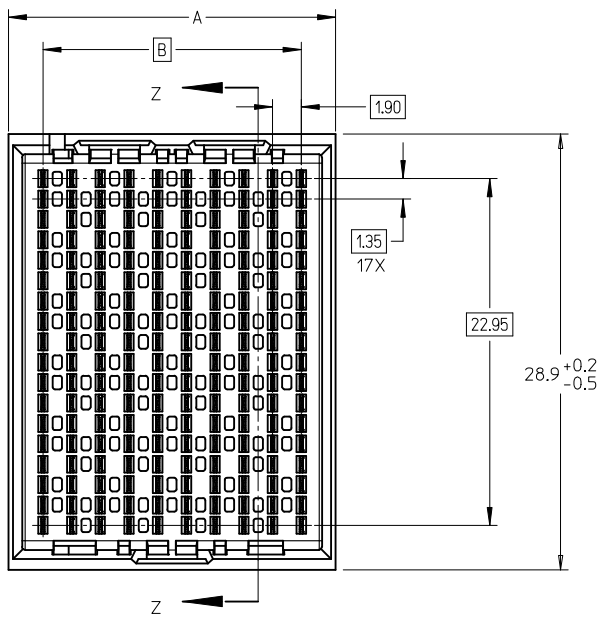


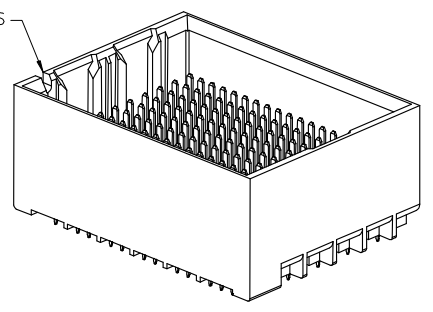


KEEP OUT ZONE

UNGUIDED  
BACKPLANE HOLE PATTERN  
(CONNECTOR SIDE)  
SEE NOTE 9

SEE PART NUMBER CHART  
AND  
PART NUMBER LOGIC  
(18 HOLES PER COLUMN)

NOTCH DESIGNATES  
ROW A

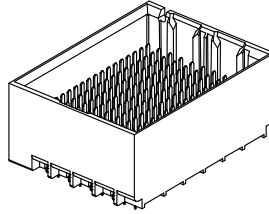


- NOTES:
1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP)  
GLASS-FILLED, UL94V-0  
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
  2. FINISH: 30μ MIN GOLD IN CONTACT AREA.  
SELECTIVE TIN ON PCB TAILS.  
NICKEL OVERALL.
  3. REFER TO MOLEX PRODUCT SPECIFICATION PS-76060-999  
FOR PERFORMANCE SPECIFICATIONS AND ADDITIONAL PCB INFORMATION.
  4. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF  
MOLEX COSMETIC SPEC PS-45499-002.
  5. PARTS PACKAGED PER PK-70873-7703.
  6. SEE SHEETS 2 & 3 FOR PART NUMBERS AND BOARD RELATIONSHIPS.
  7. MATES WITH IMPACT DC SERIES NO. 76150.
  8. REFER TO MOLEX PCB ROUTING GUIDE AS-76060-990 FOR ANTIPAD AND  
ROUTING RECOMMENDATIONS.
  9. \*THESE DIMENSIONS REPRESENT THE AREA NEEDED TO ACCOMMODATE  
CONNECTOR INSERTION AND REPAIR ON THE PC BOARD. THIS IS REFERRED  
TO AS THE "CONNECTOR KEEP OUT ZONE" AND DOES NOT REPRESENT THE  
ACTUAL PERIMETER OF THE CONNECTOR. WHEN LAYING OUT A PC BOARD FOR  
CONNECTORS STACK TOGETHER, USE A 1.9mm PROGRESSION.\*

|                                                                                                                          |             |                                                                 |                                                            |                                                                                                                                  |                            |              |              |                        |                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------|--------------|------------------------|----------------------------------------------------------------------------------------------------------------------------|
| REVISED (MINOR)<br>EC NO: UCP2014-0887<br>DRWN: BINGHAM 2013/08/25<br>CHKD: JLAURX 2013/08/25<br>APPR: JLAURX 2013/09/25 | DESCRIPTION | QUALITY SYMBOLS<br><div>▽=0</div> <div>▽=0</div> <div>▽=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |                                                                                                                                  | DIMENSION STYLE<br>MM ONLY |              | SCALE<br>4:1 | DESIGN UNITS<br>METRIC | <div>THIRD ANGLE PROJECTION</div> <div>IMPACT 6 PAIR HEADER<br/>UNGUIDED ASSEMBLY<br/>SALES DRAWING</div> <div>molex</div> |
|                                                                                                                          |             |                                                                 | mm                                                         | INCH                                                                                                                             | DRAWN BY                   | DATE         | TITLE        |                        |                                                                                                                            |
|                                                                                                                          |             |                                                                 |                                                            |                                                                                                                                  | MSANDBERG                  | 2007/12/26   |              |                        |                                                                                                                            |
|                                                                                                                          |             |                                                                 | 4 PLACES                                                   | ± ---                                                                                                                            | ± ---                      | CHECKED BY   | DATE         |                        |                                                                                                                            |
|                                                                                                                          |             |                                                                 | 3 PLACES                                                   | ± ---                                                                                                                            | ± ---                      | JLAURX       | 2007/12/26   |                        |                                                                                                                            |
|                                                                                                                          |             |                                                                 | 2 PLACES                                                   | ± 0.13                                                                                                                           | ± ---                      | APPROVED BY  | DATE         |                        |                                                                                                                            |
|                                                                                                                          |             |                                                                 | 1 PLACE                                                    | ± 0.25                                                                                                                           | ± ---                      | JLAURX       | 2010/02/22   |                        |                                                                                                                            |
|                                                                                                                          |             |                                                                 | 0 PLACE                                                    | ±                                                                                                                                | ±                          | MATERIAL NO. |              |                        |                                                                                                                            |
|                                                                                                                          |             |                                                                 | ANGULAR ±1/2°                                              |                                                                                                                                  |                            | DOCUMENT NO. |              |                        |                                                                                                                            |
|                                                                                                                          |             |                                                                 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                                                                                                                  |                            | SEE TABLE    |              |                        |                                                                                                                            |
| G1                                                                                                                       | REV         |                                                                 | SIZE                                                       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                            |              |              |                        |                                                                                                                            |
|                                                                                                                          |             |                                                                 | C                                                          | SD-76145-001                                                                                                                     |                            |              |              |                        |                                                                                                                            |
|                                                                                                                          |             |                                                                 | SHEET NO.<br>1 OF 3                                        |                                                                                                                                  |                            |              |              |                        |                                                                                                                            |

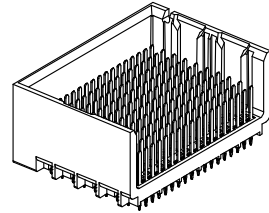
# PART NUMBER TABLE

| MATERIAL NUMBER | # OF COLUMNS | # OF DIFF PAIR | DIM 'A' | DIM 'B' | DUAL<br>END WALL<br>OPTION |
|-----------------|--------------|----------------|---------|---------|----------------------------|
| 76145-#12*      | 10           | 60             | 21.7    | 17.10   |                            |
| 76145-#72*      | 14           | 84             | 29.3    | 24.70   |                            |
| 76145-#62*      | 16           | 96             | 33.1    | 28.50   |                            |



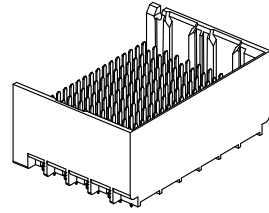
DUAL END  
WALL OPTION

| MATERIAL NUMBER | # OF COLUMNS | # OF DIFF PAIR | DIM 'A' | DIM 'B' | LEFT<br>END WALL<br>OPTION |
|-----------------|--------------|----------------|---------|---------|----------------------------|
| 76145-#11*      | 10           | 60             | 20.3    | 17.10   |                            |
| 76145-#71*      | 14           | 84             | 27.9    | 24.70   |                            |
| 76145-#61*      | 16           | 96             | 31.7    | 28.50   |                            |



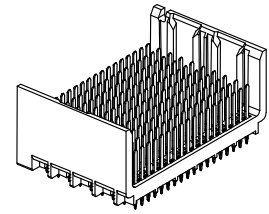
LEFT END  
WALL OPTION

| MATERIAL NUMBER | # OF COLUMNS | # OF DIFF PAIR | DIM 'A' | DIM 'B' | RIGHT<br>END WALL<br>OPTION |
|-----------------|--------------|----------------|---------|---------|-----------------------------|
| 76145-#13*      | 10           | 60             | 20.3    | 17.10   |                             |
| 76145-#73*      | 14           | 84             | 27.9    | 24.70   |                             |
| 76145-#63*      | 16           | 96             | 31.7    | 28.50   |                             |



RIGHT END  
WALL OPTION

| MATERIAL NUMBER | # OF COLUMNS | # OF DIFF PAIR | DIM 'A' | DIM 'B' | OPEN<br>WALL<br>OPTION |
|-----------------|--------------|----------------|---------|---------|------------------------|
| 76145-#10*      | 10           | 60             | 18.9    | 17.10   |                        |
| 76145-#70*      | 14           | 84             | 26.5    | 24.70   |                        |
| 76145-#60*      | 16           | 96             | 30.3    | 28.50   |                        |



OPEN  
WALL OPTION

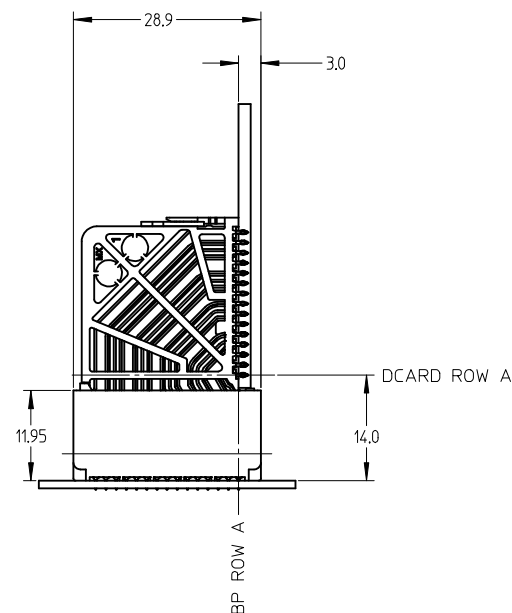
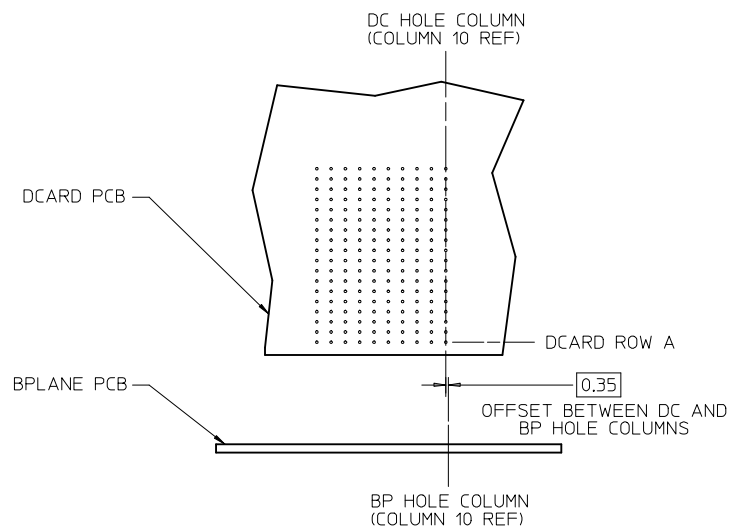
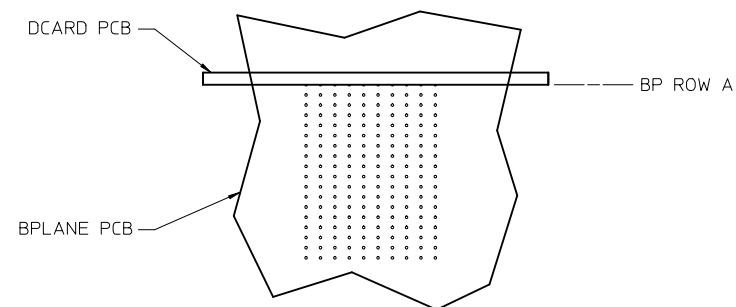
## PART NUMBER LOGIC

76145-\*\*\*\*

|                   |                                           |
|-------------------|-------------------------------------------|
| MODULE TYPE       | P-PIN LENGTH                              |
| 1 = UNGUIDED, TIN | 3 = 4.50 (SHORT COMPLIANT, 0.46±0.05 PTH) |
|                   | 4 = 4.90 (SHORT COMPLIANT, 0.46±0.05 PTH) |
|                   | 5 = 5.50 (SHORT COMPLIANT, 0.46±0.05 PTH) |
|                   | 6 = 4.50 (MICRO COMPLIANT, 0.39±0.05 PTH) |
|                   | 7 = 4.90 (MICRO COMPLIANT, 0.39±0.05 PTH) |
|                   | 8 = 5.50 (MICRO COMPLIANT, 0.39±0.05 PTH) |
| # OF COLUMNS      | END WALL OPTIONS                          |
| 1 = 10 COLUMN     | 0 = OPEN ENDS                             |
| 6 = 16 COLUMN     | 1 = LEFT END WALL                         |
| 7 = 14 COLUMN     | 2 = DUAL END WALL                         |
|                   | 3 = RIGHT END WALL                        |

|                                                                                                                      |             |                   |                                                            |  |  |                                                                                                                                  |                                       |              |                        |                                                                                                              |                                                                            |                              |                     |  |
|----------------------------------------------------------------------------------------------------------------------|-------------|-------------------|------------------------------------------------------------|--|--|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------|------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------|---------------------|--|
| SEE SHEET 1<br>EC NO: UCP2014-0887<br>DRWN: BINGHAM 2013/08/25<br>CHKD: JLAURX 2013/08/25<br>APPR: JLAURX 2013/09/25 | DESCRIPTION | QUALITY SYMBOLS   | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |  |  | DIMENSION STYLE<br>MM ONLY                                                                                                       |                                       | SCALE<br>2:1 | DESIGN UNITS<br>METRIC |  THIRD ANGLE PROJECTION | IMPACT 6 PAIR HEADER<br>UNGUIDED ASSEMBLY<br>SALES DRAWING<br><b>molex</b> | DOCUMENT NO.<br>SD-76145-001 | SHEET NO.<br>2 OF 3 |  |
|                                                                                                                      |             |                   |                                                            |  |  |                                                                                                                                  | DRAWN BY DATE<br>MSANDBERG 2007/12/26 |              | TITLE                  |                                                                                                              |                                                                            |                              |                     |  |
|                                                                                                                      |             |                   |                                                            |  |  |                                                                                                                                  | CHECKED BY DATE<br>JLAURX 2007/12/26  |              |                        |                                                                                                              |                                                                            |                              |                     |  |
|                                                                                                                      |             |                   |                                                            |  |  |                                                                                                                                  | APPROVED BY DATE<br>JLAURX 2010/02/22 |              |                        |                                                                                                              |                                                                            |                              |                     |  |
|                                                                                                                      |             |                   |                                                            |  |  |                                                                                                                                  | MATERIAL NO.                          |              |                        |                                                                                                              |                                                                            |                              |                     |  |
|                                                                                                                      |             |                   |                                                            |  |  |                                                                                                                                  | SEE TABLE                             |              |                        |                                                                                                              |                                                                            |                              |                     |  |
|                                                                                                                      |             |                   |                                                            |  |  |                                                                                                                                  | SIZE C                                |              |                        |                                                                                                              |                                                                            |                              |                     |  |
|                                                                                                                      |             |                   |                                                            |  |  |                                                                                                                                  |                                       |              |                        |                                                                                                              |                                                                            |                              |                     |  |
|                                                                                                                      |             |                   |                                                            |  |  |                                                                                                                                  |                                       |              |                        |                                                                                                              |                                                                            |                              |                     |  |
|                                                                                                                      |             |                   |                                                            |  |  |                                                                                                                                  |                                       |              |                        |                                                                                                              |                                                                            |                              |                     |  |
| G1                                                                                                                   | REV         | ▽=0<br>▽=0<br>▽=0 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                       |              |                        |                                                                                                              |                                                                            |                              |                     |  |
|                                                                                                                      |             |                   |                                                            |  |  |                                                                                                                                  |                                       |              |                        |                                                                                                              |                                                                            |                              |                     |  |
|                                                                                                                      |             |                   |                                                            |  |  |                                                                                                                                  |                                       |              |                        |                                                                                                              |                                                                            |                              |                     |  |
|                                                                                                                      |             |                   |                                                            |  |  |                                                                                                                                  |                                       |              |                        |                                                                                                              |                                                                            |                              |                     |  |
|                                                                                                                      |             |                   |                                                            |  |  |                                                                                                                                  |                                       |              |                        |                                                                                                              |                                                                            |                              |                     |  |
|                                                                                                                      |             |                   |                                                            |  |  |                                                                                                                                  |                                       |              |                        |                                                                                                              |                                                                            |                              |                     |  |
|                                                                                                                      |             |                   |                                                            |  |  |                                                                                                                                  |                                       |              |                        |                                                                                                              |                                                                            |                              |                     |  |
|                                                                                                                      |             |                   |                                                            |  |  |                                                                                                                                  |                                       |              |                        |                                                                                                              |                                                                            |                              |                     |  |
|                                                                                                                      |             |                   |                                                            |  |  |                                                                                                                                  |                                       |              |                        |                                                                                                              |                                                                            |                              |                     |  |
|                                                                                                                      |             |                   |                                                            |  |  |                                                                                                                                  |                                       |              |                        |                                                                                                              |                                                                            |                              |                     |  |

IMPACT 6 PAIR  
BOARD RELATIONSHIPS



|             |                                                                                                           |             |                                                                 |                                                            |        |                            |                           |                                                                                                                               |                                                                     |                                                                                                              |  |  |
|-------------|-----------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------|------------------------------------------------------------|--------|----------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--|--|
| SEE SHEET 1 | EC NO: UCP2014-0887<br>DRAWN: JBI INGHAM 2013/08/25<br>CHKD: JLAURX 2013/08/25<br>APPR: JLAURX 2013/09/25 | DESCRIPTION | QUALITY SYMBOLS<br><div>F=0</div> <div>E=0</div> <div>D=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |        | DIMENSION STYLE<br>MM ONLY |                           | SCALE<br>2:1                                                                                                                  | DESIGN UNITS<br>METRIC                                              |  THIRD ANGLE PROJECTION |  |  |
|             |                                                                                                           |             |                                                                 |                                                            | mm     | INCH                       | DRAWN BY<br>MSANDBERG     | DATE<br>2007/12/26                                                                                                            | TITLE<br>IMPACT 6 PAIR HEADER<br>UNGUIDED ASSEMBLY<br>SALES DRAWING |                                                                                                              |  |  |
|             |                                                                                                           |             |                                                                 | 4 PLACES                                                   | ± ---  | ± ---                      | CHECKED BY<br>JLAURX      | DATE<br>2007/12/26                                                                                                            | molex                                                               |                                                                                                              |  |  |
|             |                                                                                                           |             |                                                                 | 3 PLACES                                                   | ± ---  | ± ---                      | APPROVED BY<br>JLAURX     | DATE<br>2010/02/22                                                                                                            |                                                                     |                                                                                                              |  |  |
|             |                                                                                                           |             |                                                                 | 2 PLACES                                                   | ± 0.13 | ± ---                      | MATERIAL NO.<br>SEE TABLE | DOCUMENT NO.<br>SD-76145-001                                                                                                  |                                                                     |                                                                                                              |  |  |
| 1 PLACE     | ± 0.25                                                                                                    | ± ---       |                                                                 |                                                            |        |                            |                           |                                                                                                                               |                                                                     |                                                                                                              |  |  |
| 0 PLACE     | ±                                                                                                         | ±           |                                                                 |                                                            |        |                            |                           |                                                                                                                               |                                                                     |                                                                                                              |  |  |
|             |                                                                                                           |             |                                                                 | ANGULAR ±1/2°                                              |        |                            |                           |                                                                                                                               |                                                                     |                                                                                                              |  |  |
|             |                                                                                                           |             |                                                                 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        |                            |                           |                                                                                                                               |                                                                     |                                                                                                              |  |  |
|             |                                                                                                           | REV         |                                                                 |                                                            |        | SIZE<br>C                  |                           | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                     |                                                                                                              |  |  |