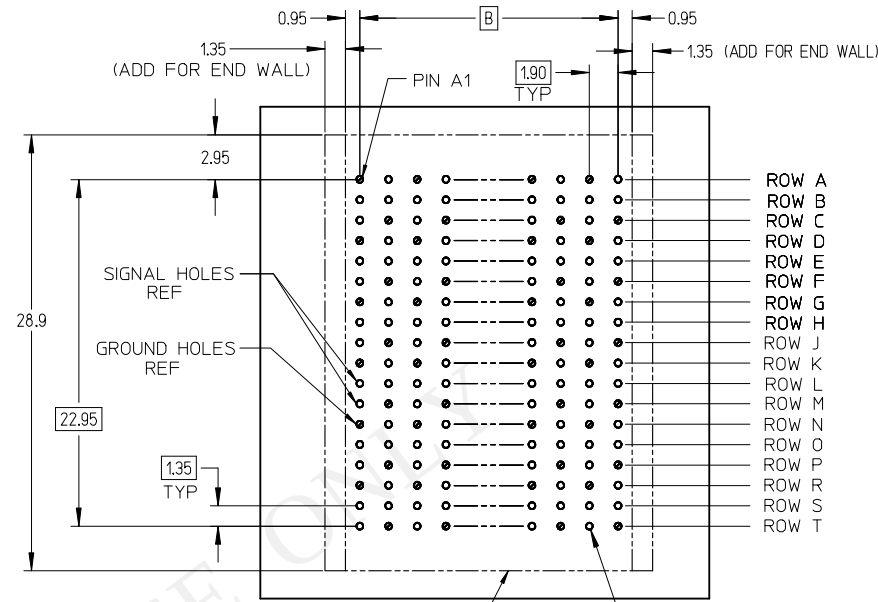
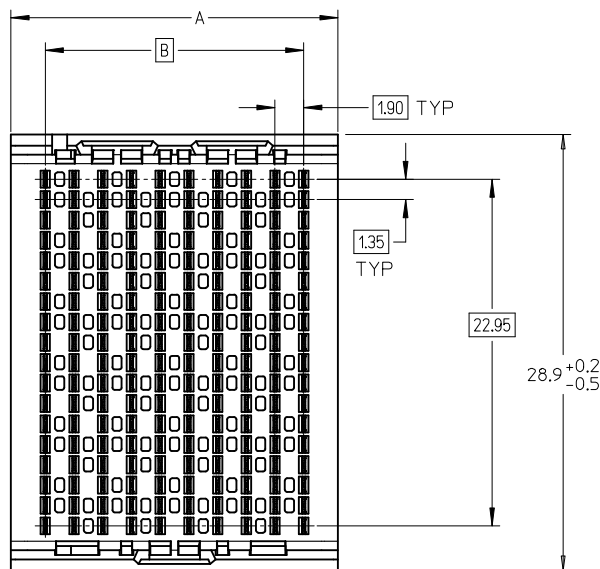


KEEP OUT ZONE

UNGUIDED  
BACKPLANE HOLE PATTERN  
(CONNECTOR SIDE)  
SEE NOTE 8

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

$\phi 0.10$

#### NOTES:

- MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP)  
GLASS-FILLED, UL94V-0  
TERMINALS - HIGH PERFORMANCE COPPER ALLOY  
SELECTIVE TIN ON PCB TAILS.  
NICKEL OVERALL.
- REFER TO MOLEX PRODUCT SPECIFICATION PS-TBD FOR PERFORMANCE SPECIFICATIONS AND ADDITIONAL PCB INFORMATION.
- THIS PART CONFORMS TO CLASS B REQUIREMENTS OF MOLEX COSMETIC SPEC PS-45499-002.
- PARTS PACKAGED PER PK-70873-7703.
- MATES WITH IMPACT DC SERIES NO. 172374.
- REFER TO MOLEX PCB ROUTING GUIDE AS-TBD FOR ANTIPAD AND ROUTING RECOMMENDATIONS.
- \*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.

#### PART NUMBER LOGIC

172375-\*\*\*\*

MODULE TYPE  
1 = UNGUIDED, TIN

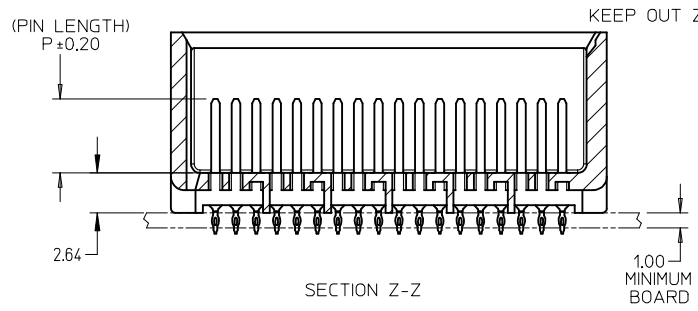
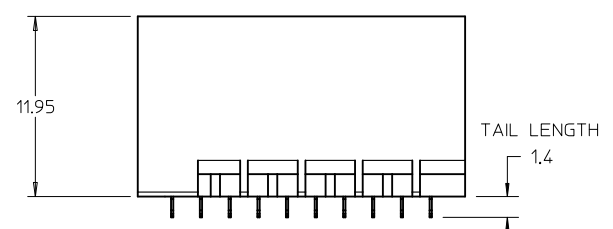
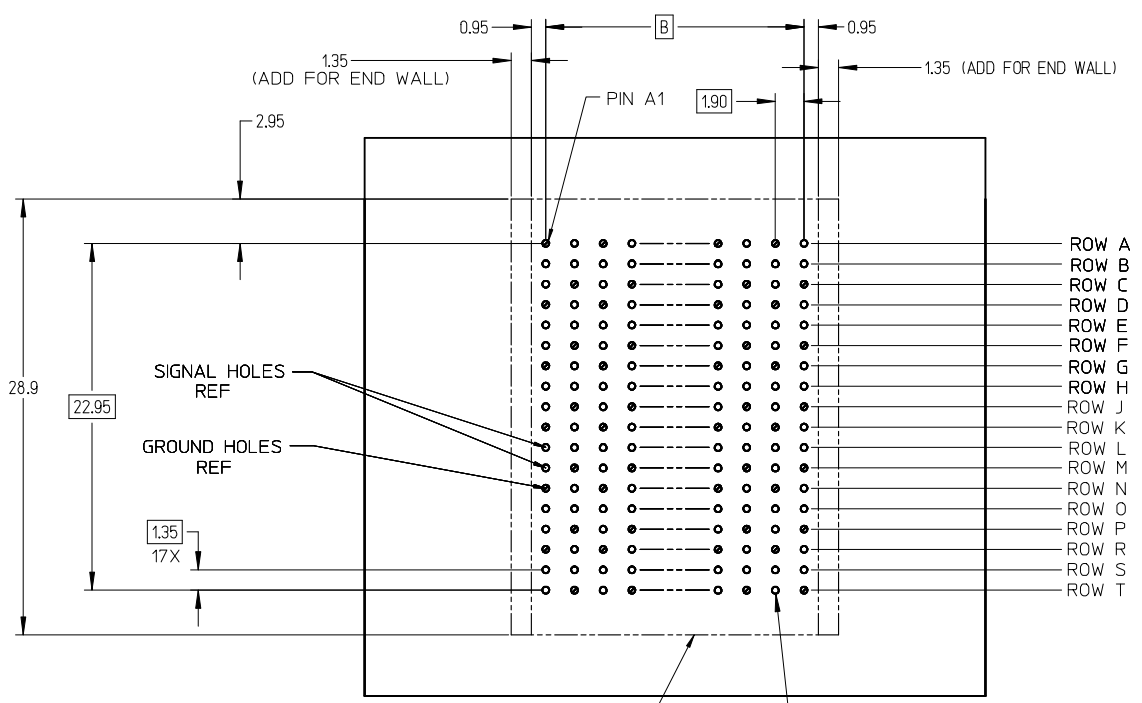
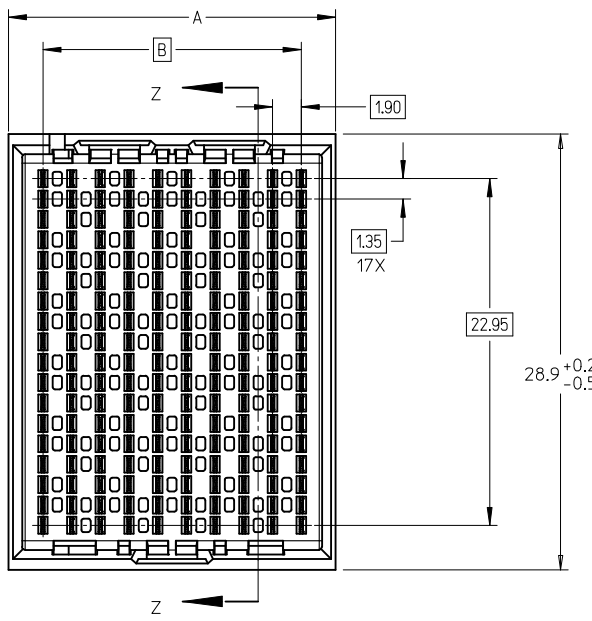
P = PIN LENGTH  
7 = 4.90 (SMALL COMPL. PIN 0.36±0.05 PTH)

# OF COLUMNS  
7 = 14 COLUMN

END WALL OPTIONS  
0 = OPEN ENDS

| MATERIAL NUMBER | # OF COLUMNS | # OF DIFF PAIR | DIM 'A' | DIM 'B' |
|-----------------|--------------|----------------|---------|---------|
| 172375-1707     | 14           | 84             | 26.5    | 24.70   |

|                                                                                                                                                                                     |             |                 |                                                                                                                               |          |        |                 |             |                |              |                        |  |  |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------|----------|--------|-----------------|-------------|----------------|--------------|------------------------|--|--|------------|
| <div>X - RELEASED</div> <div>EC NO: UCP2013-4229</div> <div>DRWN: JLONG</div> <div>CHKD: JLONG</div> <div>APPR: JLONG</div> <div>DATE: 2014/01/17</div> <div>DATE: 2014/01/24</div> | DESCRIPTION | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                         |          |        | DIMENSION STYLE |             | SCALE          | DESIGN UNITS | THIRD ANGLE PROJECTION |  |  |            |
|                                                                                                                                                                                     |             |                 |                                                                                                                               |          |        | MM ONLY         |             | 4:1            | METRIC       |                        |  |  |            |
|                                                                                                                                                                                     |             |                 | <div>▽=0</div> <div>▽=0</div> <div>▽=0</div>                                                                                  | mm       | INCH   | DRAWN BY        | DATE        | TITLE          |              |                        |  |  |            |
|                                                                                                                                                                                     |             |                 |                                                                                                                               | 4 PLACES | ± ---  | ± ---           | MSANDBERG   |                |              |                        |  |  | 2007/12/26 |
|                                                                                                                                                                                     |             |                 |                                                                                                                               | 3 PLACES | ± ---  | ± ---           | CHECKED BY  |                |              |                        |  |  | DATE       |
|                                                                                                                                                                                     |             |                 |                                                                                                                               | 2 PLACES | ± 0.13 | ± ---           | JLONG       | 2014/01/17     |              |                        |  |  |            |
|                                                                                                                                                                                     |             |                 |                                                                                                                               | 1 PLACE  | ± 0.25 | ± ---           | APPROVED BY | DATE           |              |                        |  |  |            |
|                                                                                                                                                                                     |             |                 | 0 PLACE                                                                                                                       | ±        | ±      | JLAURX          | 2010/02/22  |                |              |                        |  |  |            |
|                                                                                                                                                                                     |             |                 | ANGULAR ±1/2°                                                                                                                 |          |        | MATERIAL NO.    |             | DOCUMENT NO.   |              | SHEET NO.              |  |  |            |
|                                                                                                                                                                                     |             |                 | DRAFT WHERE APPLICABLE                                                                                                        |          |        | SEE TABLE       |             | SD-172375-0001 |              | 1 OF 1                 |  |  |            |
| MUST REMAIN WITHIN DIMENSIONS                                                                                                                                                       |             |                 |                                                                                                                               |          |        |                 |             |                |              |                        |  |  |            |
| 1                                                                                                                                                                                   | REV         |                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |          |        |                 |             |                |              |                        |  |  |            |

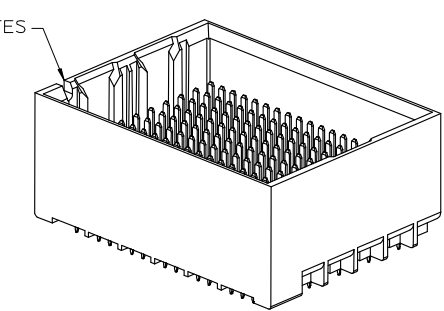


KEEP OUT ZONE

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

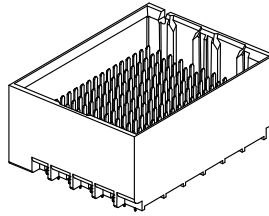


- NOTES:
1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP)  
GLASS-FILLED, UL94V-0  
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
  2. FINISH: 30μ MIN GOLD IN CONTACT AREA.  
SELECTIVE TIN ON PCB TAILS.  
NICKEL OVERALL.
  3. REFER TO MOLEX PRODUCT SPECIFICATION PS-76060-999  
FOR PERFORMANCE SPECIFICATIONS 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: ILAURX 2013/08/25<br>APPR: ILAURX 2013/09/25<br><br>G1 | DESCRIPTION<br>REV | QUALITY SYMBOLS<br><br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |        | DIMENSION STYLE<br>MM ONLY |                               | SCALE<br>4:1       | 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<br><br><b>molex</b>                                          |                                                                                                              |                              |                     |  |
|                                                                                                                                    |                    |                                          | 4 PLACES                                                   | ± ---  | ± ---                      | CHECKED BY<br>JLAURX          | DATE<br>2007/12/26 |                                                                                                                                  |                                                                                                              |                              |                     |  |
|                                                                                                                                    |                    |                                          | 3 PLACES                                                   | ± ---  | ± ---                      | APPROVED BY<br>JLAURX         | DATE<br>2010/02/22 |                                                                                                                                  |                                                                                                              |                              |                     |  |
|                                                                                                                                    |                    |                                          | 2 PLACES                                                   | ± 0.13 | ± ---                      | MATERIAL NO.<br><br>SEE TABLE |                    |                                                                                                                                  |                                                                                                              | DOCUMENT NO.<br>SD-76145-001 | SHEET NO.<br>1 OF 3 |  |
|                                                                                                                                    |                    |                                          | 1 PLACE                                                    | ± 0.25 | ± ---                      |                               |                    |                                                                                                                                  |                                                                                                              |                              |                     |  |
|                                                                                                                                    |                    |                                          | 0 PLACE                                                    | ±      | ±                          | SIZE<br>C                     |                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                                              |                              |                     |  |
|                                                                                                                                    |                    |                                          | ANGULAR ±1/2°                                              |        |                            |                               |                    |                                                                                                                                  |                                                                                                              |                              |                     |  |
|                                                                                                                                    |                    |                                          | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        |                            |                               |                    |                                                                                                                                  |                                                                                                              |                              |                     |  |

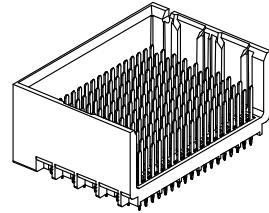
# PART NUMBER TABLE

| 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   |                            |



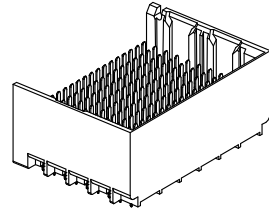
DUAL END  
WALL OPTION

| 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   |                            |



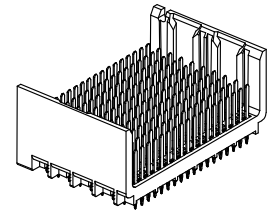
LEFT END  
WALL OPTION

| 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

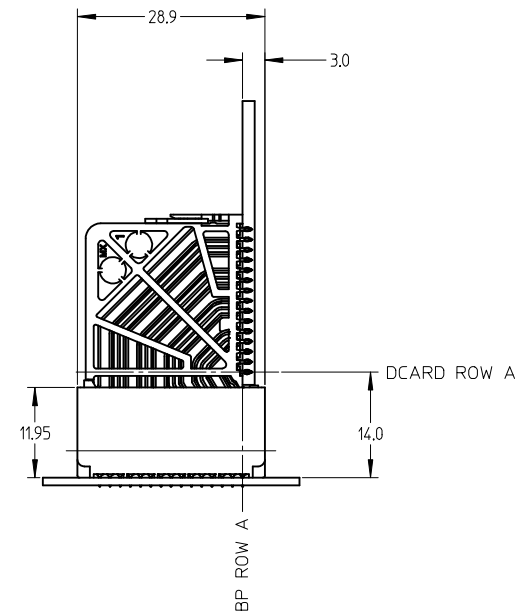
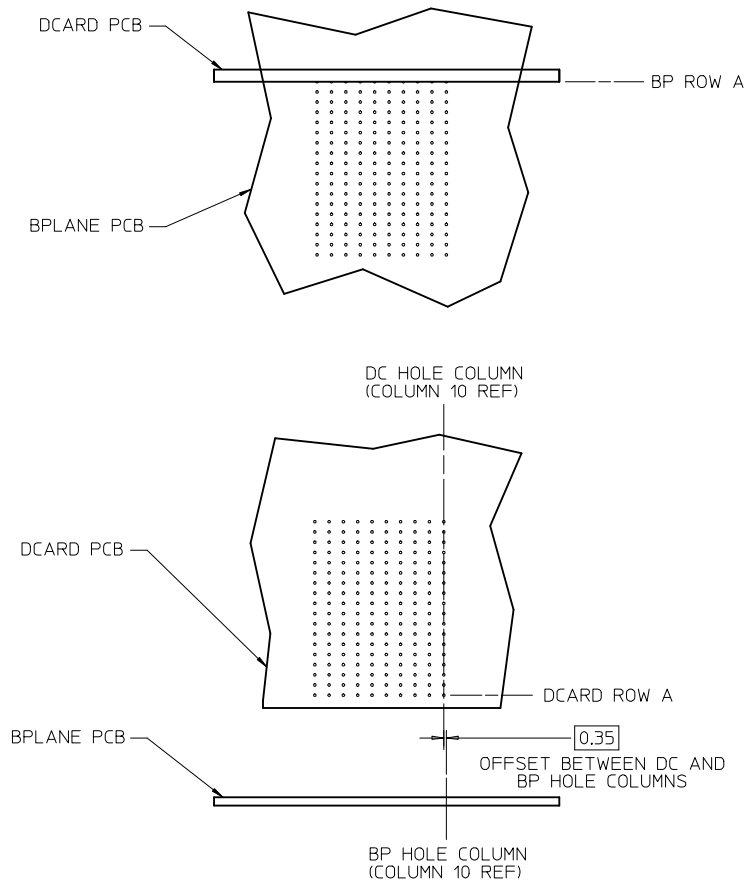
## PART NUMBER LOGIC

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 | REV<br>G1 | DESCRIPTION<br>QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |        | DIMENSION STYLE<br>MM ONLY |                                                                                                                                  | SCALE<br>2:1       | DESIGN UNITS<br>METRIC                                                              |  THIRD ANGLE<br>PROJECTION |                              |                     |
|                                                                                                                      |           |                                                     |                                                            | mm     | INCH                       | DRAWN BY<br>MSANDBERG                                                                                                            | DATE<br>2007/12/26 | TITLE<br>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 |
|                                                                                                                      |           |                                                     | 4 PLACES                                                   | ± ---  | ± ---                      | CHECKED BY<br>JLAURX                                                                                                             | DATE<br>2007/12/26 |                                                                                     |                                                                                                                 |                              |                     |
|                                                                                                                      |           |                                                     | 3 PLACES                                                   | ± ---  | ± ---                      | APPROVED BY<br>JLAURX                                                                                                            | DATE<br>2010/02/22 |                                                                                     |                                                                                                                 |                              |                     |
|                                                                                                                      |           |                                                     | 2 PLACES                                                   | ± 0.13 | ± ---                      | MATERIAL NO.                                                                                                                     |                    |                                                                                     |                                                                                                                 |                              |                     |
|                                                                                                                      |           |                                                     | 1 PLACE                                                    | ± 0.25 | ± ---                      | SEE TABLE                                                                                                                        |                    |                                                                                     |                                                                                                                 |                              |                     |
|                                                                                                                      |           |                                                     | 0 PLACE                                                    | ±      | ±                          | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |                                                                                     |                                                                                                                 |                              |                     |
|                                                                                                                      |           |                                                     | ANGULAR ±1/2°                                              |        |                            |                                                                                                                                  |                    |                                                                                     |                                                                                                                 |                              |                     |
|                                                                                                                      |           |                                                     | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        |                            |                                                                                                                                  |                    |                                                                                     |                                                                                                                 |                              |                     |

IMPACT 6 PAIR  
BOARD RELATIONSHIPS



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