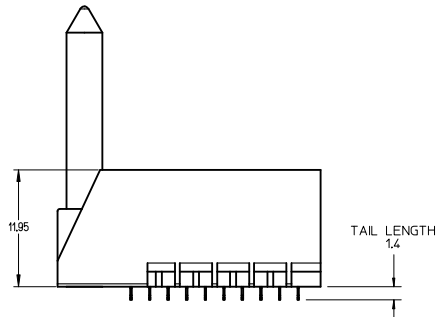
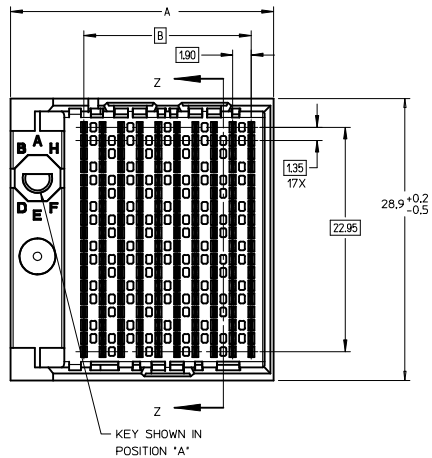
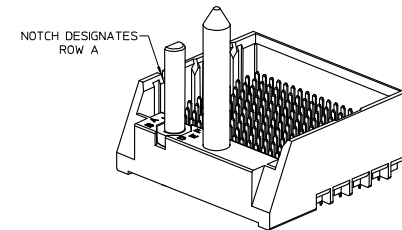
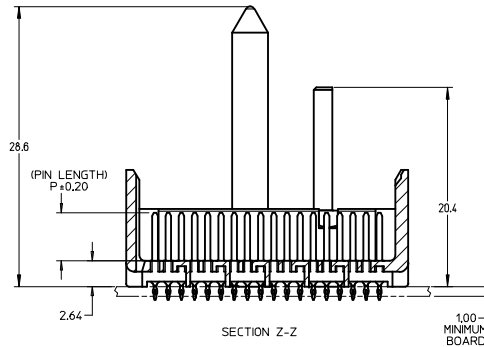
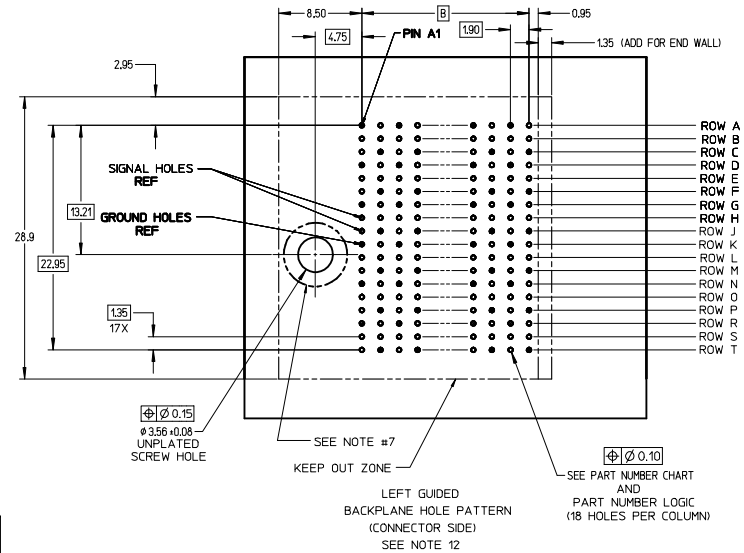




#### NOTES:

1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP)  
GLASS-FILLED, UL94V-0  
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
2. FINISH: 30H 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. PACKAGE PER: PK-70873-760
6. SEE SHEETS 2 & 3 FOR PART NUMBERS AND BOARD RELATIONSHIPS.
7. FOR GROUNDED GUIDE PINS USE DIA. 3.56 +/-0.08 (PTH)  
DIA. 3.66 (DRILL) AND DIA 6.5 (PADI).
8. MATE WITH IMPACT DC SERIES NO. 76150.
9. KEEP OUT ZONE FOR BP HOUSING LENGTH INCLUDES AN ADDITIONAL 1.0MM  
TO ACCOMMODATE FOR SPACE REQUIRED BY DC FRONT HOUSING.
10. REFER TO MOLEX PCB ROUTING GUIDE AS-76060-990 FOR ANTI PAD AND ROUTING RECOMMENDATIONS.
11. CONNECTORS SUPPLIED WITH A 2-56 UNC-2A SCREW.
12. \*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 STACKED TOGETHER, USE A 1.9mm PROGRESSION.\*



|                                                                                                     |                 |                                                            |      |                            |                    |              |                        |                                                                                                                 |                                                                                                                                               |  |  |
|-----------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------|------|----------------------------|--------------------|--------------|------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| REVISED (MINOR)<br>EC NO: UCP2014-0887<br>DRAWN: BINGHAM<br>CHKD: LAURX<br>APPR: LAURX<br>REV<br>G1 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |      | DIMENSION STYLE<br>MM ONLY |                    | SCALE<br>4:1 | DESIGN UNITS<br>METRIC |  THIRD ANGLE<br>PROJECTION | TITLE<br>IMPACT 6 PAIR HEADER<br>LEFT GUIDED ASSEMBLY<br>SALES DRAWING<br><b>molex</b><br>DOCUMENT NO.<br>SD-76145-002<br>SHEET NO.<br>1 OF 3 |  |  |
|                                                                                                     | ▽=0             | mm                                                         | INCH | DRAWN BY<br>MSANDBERG      | DATE<br>2007/12/26 |              |                        |                                                                                                                 |                                                                                                                                               |  |  |
|                                                                                                     | ▽=0             | 3 PLACES ±---                                              | ±--- | CHECKED BY<br>JLAURX       | DATE<br>2007/12/26 |              |                        |                                                                                                                 |                                                                                                                                               |  |  |
|                                                                                                     | ▽=0             | 2 PLACES ±0.13                                             | ±--- | APPROVED BY<br>JLAURX      | DATE<br>2010/02/22 |              |                        |                                                                                                                 |                                                                                                                                               |  |  |
|                                                                                                     |                 | 1 PLACE ±0.25                                              | ±--- |                            |                    |              |                        |                                                                                                                 |                                                                                                                                               |  |  |
|                                                                                                     |                 | 0 PLACE ±                                                  | ±    |                            |                    |              |                        |                                                                                                                 |                                                                                                                                               |  |  |
|                                                                                                     |                 | ANGULAR ±1/2°                                              |      | MATERIAL NO.<br>SEE TABLE  |                    |              |                        |                                                                                                                 |                                                                                                                                               |  |  |
|                                                                                                     |                 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |      | SIZE<br>D                  |                    |              |                        |                                                                                                                 |                                                                                                                                               |  |  |
|                                                                                                     |                 |                                                            |      |                            |                    |              |                        |                                                                                                                 |                                                                                                                                               |  |  |
|                                                                                                     |                 |                                                            |      |                            |                    |              |                        |                                                                                                                 |                                                                                                                                               |  |  |

## PART NUMBER LOGIC

76145-\*\*\*\*

MODULE TYPE

3 = GUIDE LEFT, TIN

7 = GUIDE LEFT END WALL, TIN

# OF COLUMNS

1 = 10 COL

6 = 16 COL

7 = 14 COL

PIN LENGTH (P)

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)

KEY ORIENTATION

0 = NO KEY

1 = A

2 = B

3 = C

4 = D

5 = E

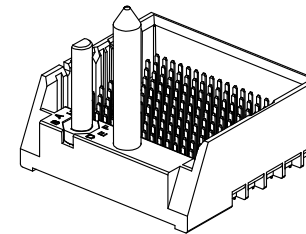
6 = F

7 = G

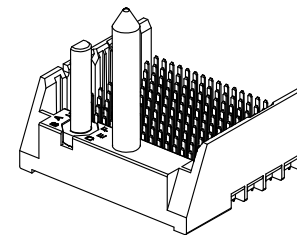
8 = H

## PART NUMBER TABLE

| MATERIAL NUMBER | # OF COLUMNS | # OF DIFF PAIR | DIM "A" | DIM "B" | GUIDE LEFT<br>END WALL<br>OPTION |
|-----------------|--------------|----------------|---------|---------|----------------------------------|
| 76145-*1**      | 10           | 60             | 26.9    | 17.10   |                                  |
| 76145-*7**      | 14           | 84             | 34.5    | 24.70   |                                  |
| 76145-*6**      | 16           | 96             | 38.3    | 28.50   |                                  |

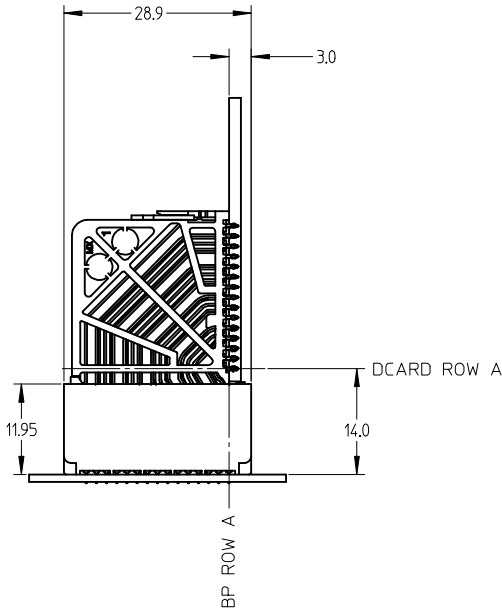
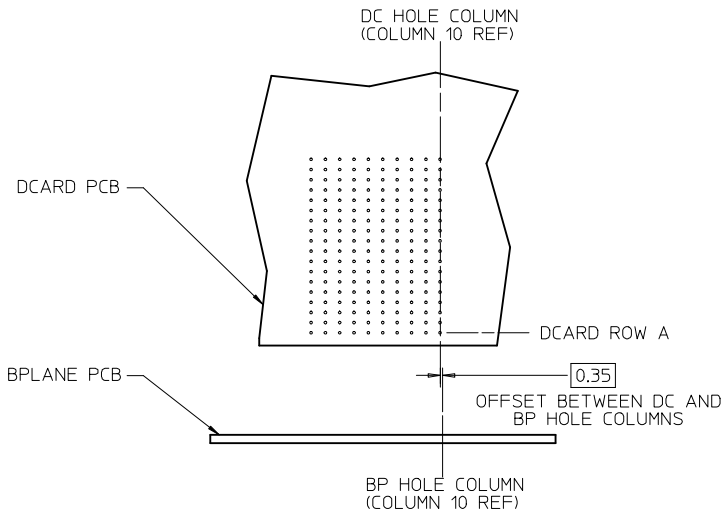
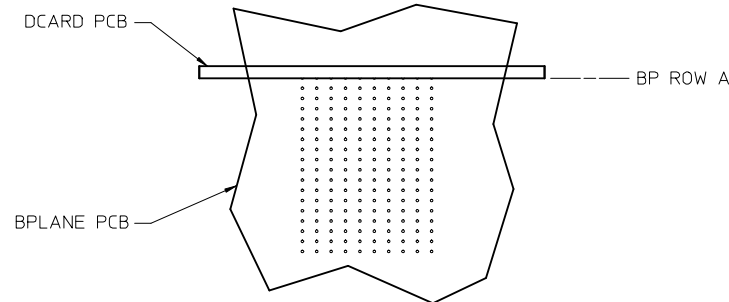
GUIDE LEFT  
END WALL OPTION

| MATERIAL NUMBER | # OF COLUMNS | # OF DIFF PAIR | DIM "A" | DIM "B" | GUIDE LEFT<br>OPEN WALL<br>OPTION |
|-----------------|--------------|----------------|---------|---------|-----------------------------------|
| 76145-*1**      | 10           | 60             | 25.5    | 17.10   |                                   |
| 76145-*7**      | 14           | 84             | 33.1    | 24.70   |                                   |
| 76145-*6**      | 16           | 96             | 36.9    | 28.50   |                                   |

GUIDE LEFT  
OPEN WALL OPTION

|                                                                                                                       |             |                 |                                                      |        |       |                            |                    |                                                                                                                               |                        |                                                                                                              |                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------|-------------|-----------------|------------------------------------------------------|--------|-------|----------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| SEE SHEET 1<br>EC NO: UCP2014-0887<br>DRWN:JB INGHAM 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 | TITLE<br>IMPACT 6 PAIR HEADER<br>LEFT GUIDED ASSEMBLY<br>SALES DRAWING<br><b>molex</b> |
|                                                                                                                       |             |                 |                                                      | mm     | INCH  | DRAWN BY<br>MSANDBERG      | DATE<br>2007/12/26 |                                                                                                                               |                        |                                                                                                              |                                                                                        |
|                                                                                                                       |             |                 | 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.               | DOCUMENT NO.       |                                                                                                                               |                        |                                                                                                              |                                                                                        |
|                                                                                                                       |             |                 | 1 PLACE                                              | ± 0.25 | ± --- | SEE TABLE                  |                    | SD-76145-002                                                                                                                  |                        |                                                                                                              |                                                                                        |
|                                                                                                                       |             |                 | 0 PLACE                                              | ±      | ±     | SIZE C                     |                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                                                                                                              |                                                                                        |
|                                                                                                                       |             |                 | ANGULAR ±1/2°                                        |        |       |                            |                    |                                                                                                                               |                        |                                                                                                              |                                                                                        |
|                                                                                                                       |             |                 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |        |       |                            |                    |                                                                                                                               |                        |                                                                                                              |                                                                                        |
|                                                                                                                       |             |                 | REV                                                  |        |       |                            |                    |                                                                                                                               |                        |                                                                                                              |                                                                                        |

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<br>G1 | REV | DESCRIPTION | QUALITY SYMBOLS | 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>LEFT GUIDED ASSEMBLY<br>SALES DRAWING<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                                         | DOCUMENT NO.<br>SD-76145-002                                                           | SHEET NO.<br>3 OF 3 |                        |                                                                                                              |
|                                                                                                                            |     |             |                 | 2 PLACES                              | ± 0.13 | ± --- |                           |                                                            |                                                                                        |                     |                        |                                                                                                              |
|                                                                                                                            |     |             |                 | 1 PLACE                               | ± 0.25 | ± --- | MATERIAL NO.<br>SEE TABLE |                                                            |                                                                                        |                     |                        |                                                                                                              |
|                                                                                                                            |     |             |                 | 0 PLACE                               | ±      | ±     |                           |                                                            |                                                                                        |                     |                        |                                                                                                              |
|                                                                                                                            |     |             |                 | ANGULAR ±1/2°                         |        |       |                           | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                                                                        |                     |                        |                                                                                                              |
|                                                                                                                            |     |             |                 |                                       |        |       |                           |                                                            |                                                                                        |                     |                        |                                                                                                              |
|                                                                                                                            |     |             |                 |                                       |        |       |                           |                                                            |                                                                                        |                     |                        |                                                                                                              |