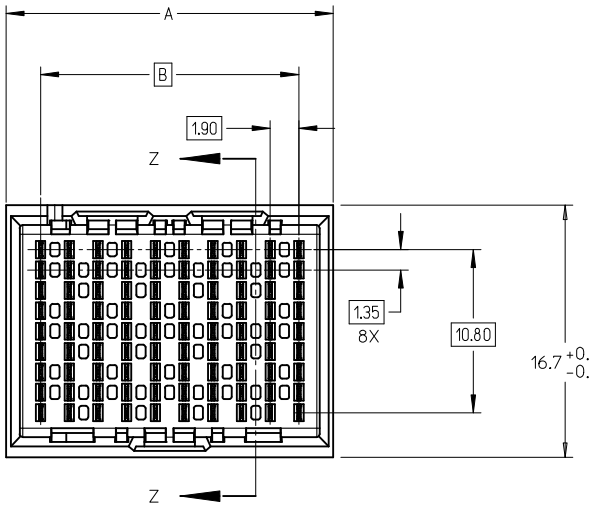
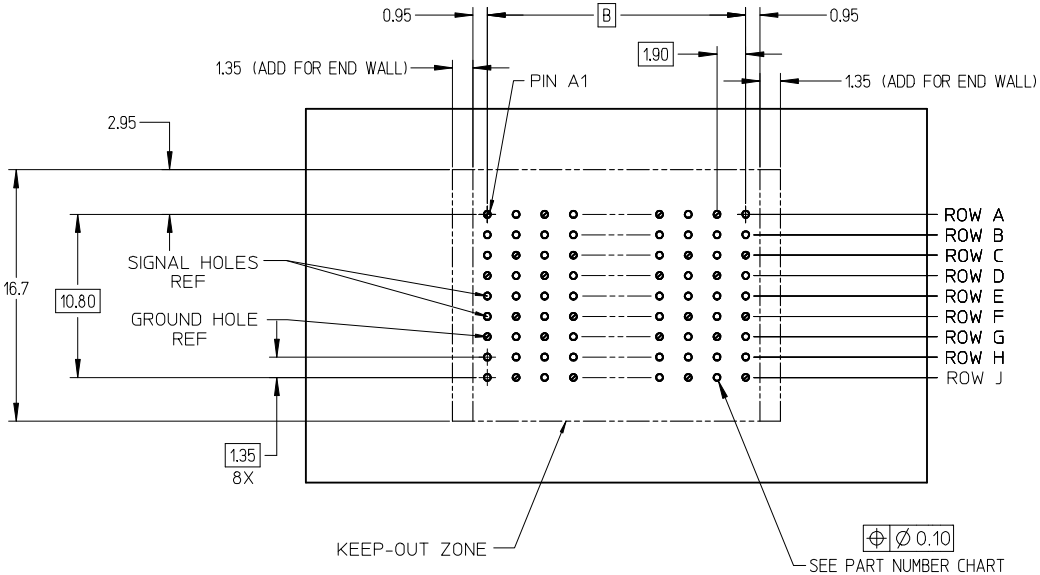
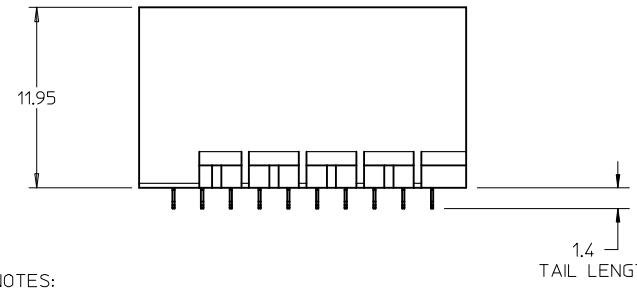
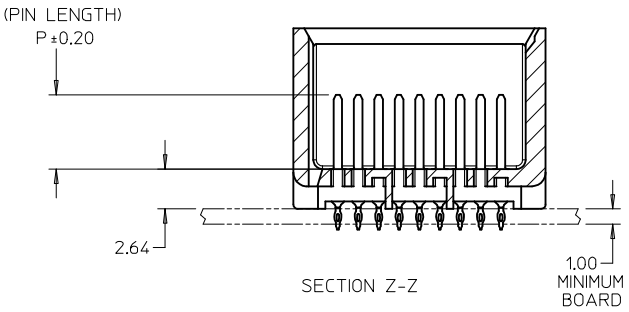


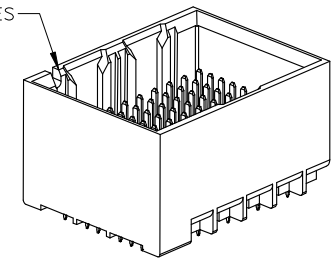




UNGUIDED BACKPLANE HOLE PATTERN (CONNECTOR SIDE) SEE NOTE 9




SECTION Z-Z




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-70873-7700.
6. SEE SHEETS 2 & 3 FOR PART NUMBERS AND BOARD RELATIONSHIPS.
7. MATES WITH IMPACT DC SERIES NO. 76170.
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 STACKED TOGETHER. USE A 1.9mm PROGRESSION."

CONVERT TO LEAD-FREE
EC NO: UCP2013-2078 2012/11/26
DRWN: TIBARRA 2012/12/18
CHKD: JB INGHAM 2012/12/31
APPR: SMILLER 2012/12/31
DESCRIPTION
REV

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± --- |
| 2 PLACES | ± 0.13 | ± --- |
| 1 PLACE | ± 0.25 | ± --- |
| 0 PLACE | ± | ± |

ANGULAR ±1/2°

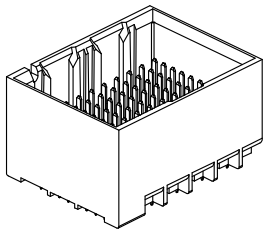
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

| | |
|---|---|
| DIMENSION STYLE | MM ONLY |
| SCALE | 4:1 |
| DESIGN UNITS | METRIC |
| | THIRD ANGLE PROJECTION |
| DRAWN BY / DATE | MSANDBERG 2007/06/18 |
| CHECKED BY / DATE | JLAURX 2007/06/18 |
| APPROVED BY / DATE | JLAURX 2010/10/15 |
| MATERIAL NO. | SEE TABLE |
| TITLE | IMPACT BP 3 PAIR UNGUIDED ASSEMBLY SALES DRAWING |
| DOCUMENT NO. | SD-76165-001 |
| SHEET NO. | 1 OF 3 |
| SIZE | C |

molex

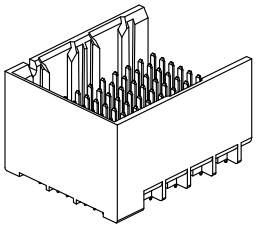
# PART NUMBER TABLE

| MATERIAL NUMBER | # OF COLUMNS | # OF DIFF PAIR | DIM "A" | DIM "B" | |
|---|---|---|---|---|---|
| 76165-*32* | 6 | 18 | 14.1 | 9.50 | DUAL END WALL OPTION |
| 76165-*82* | 8 | 24 | 17.9 | 13.30 | |
| 76165-*12* | 10 | 30 | 21.7 | 17.10 | |
| 76165-*62* | 16 | 48 | 33.1 | 28.50 | |



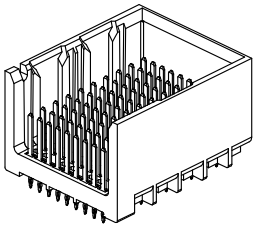
DUAL END WALL OPTION

| MATERIAL NUMBER | # OF COLUMNS | # OF DIFF PAIR | DIM "A" | DIM "B" | |
|---|---|---|---|---|---|
| 76165-*31* | 6 | 18 | 12.7 | 9.50 | LEFT END WALL OPTION |
| 76165-*81* | 8 | 24 | 16.5 | 13.30 | |
| 76165-*11* | 10 | 30 | 20.3 | 17.10 | |
| 76165-*61* | 16 | 48 | 31.7 | 28.50 | |



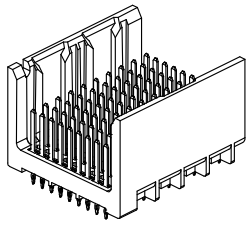
LEFT END WALL OPTION

| MATERIAL NUMBER | # OF COLUMNS | # OF DIFF PAIR | DIM "A" | DIM "B" | |
|---|---|---|---|---|---|
| 76165-*33* | 6 | 18 | 12.7 | 9.50 | RIGHT END WALL OPTION |
| 76165-*83* | 8 | 24 | 16.5 | 13.30 | |
| 76165-*13* | 10 | 30 | 20.3 | 17.10 | |
| 76165-*63* | 16 | 48 | 31.7 | 28.50 | |



RIGHT END WALL OPTION

| MATERIAL NUMBER | # OF COLUMNS | # OF DIFF PAIR | DIM "A" | DIM "B" | |
|---|---|---|---|---|---|
| 76165-*30* | 6 | 18 | 11.3 | 9.50 | OPEN WALL OPTION |
| 76165-*80* | 8 | 24 | 15.1 | 13.30 | |
| 76165-*10* | 10 | 30 | 18.9 | 17.10 | |
| 76165-*60* | 16 | 48 | 30.4 | 28.50 | |



OPEN WALL OPTION

# PART NUMBER LOGIC

76165-****

MODULE TYPE
1 = UNGUIDED, TIN

# OF COLUMNS
1 = 10 COL
3 = 6 COL
6 = 16 COL
8 = 8 COL

END WALL OPTIONS
0 = OPEN ENDS
1 = LEFT END WALL
2 = DUAL END WALL
3 = RIGHT END WALL

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)

SEE SHEET 1
EC NO: UCP2013-2078 2012/11/26
DRWN:TIBARRA 2012/12/18
CHKD:JBINGHAM 2012/12/31
APPR:SMILLER
DESCRIPTION
REV

QUALITY SYMBOLS
=0
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± --- |
| 2 PLACES | ± 0.13 | ± --- |
| 1 PLACE | ± 0.25 | ± --- |
| 0 PLACE | ± | ± |

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2.5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

| | | DATE |
|---|---|---|
| DRAWN BY | MSANDBERG | 2007/06/18 |
| CHECKED BY | JLAURX | 2007/06/18 |
| APPROVED BY | JLAURX | 2010/10/15 |

TITLE: IMPACT BP 3 PAIR UNGUIDED ASSEMBLY SALES DRAWING

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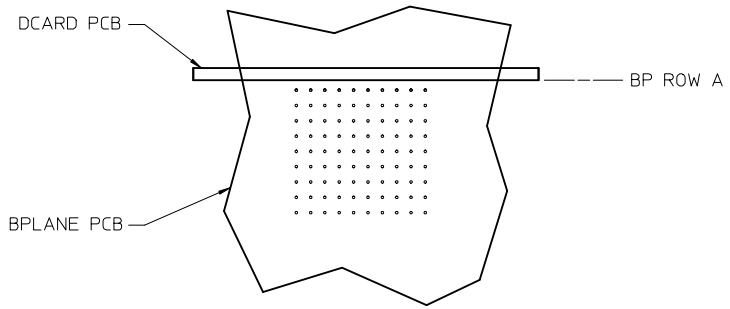
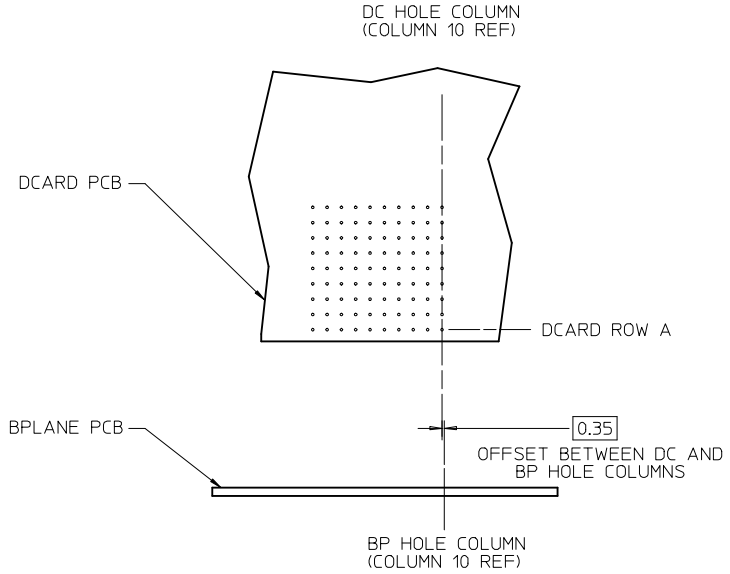
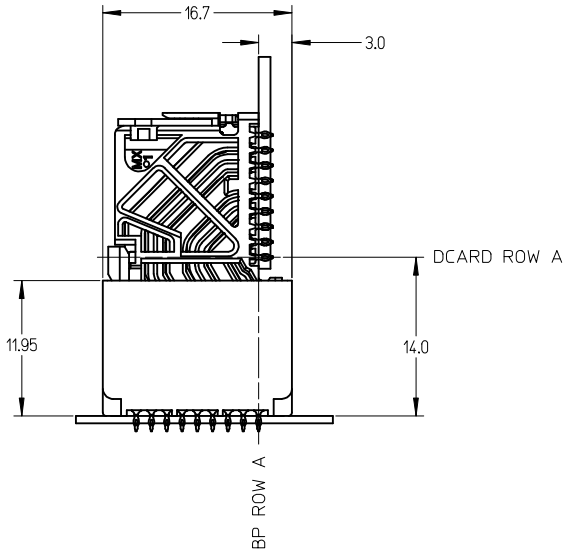
MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-76165-001
SHEET NO.: 2 OF 3
SIZE: C




# IMPACT 3 PAIR BOARD RELATIONSHIPS




SEE SHEET 1
EC NO: UCP2013-2078 2012/11/26
DRWN:TIBARRA 2012/12/18
CHKD:JBINGHAM 2012/12/31
APPR:SMILLER
DESCRIPTION
REV

QUALITY SYMBOLS
F =0
E =0
P =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± --- |
| 2 PLACES | ± 0.13 | ± --- |
| 1 PLACE | ± 0.25 | ± --- |
| 0 PLACE | ± | ± |

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

| | | DATE |
|---|---|---|
| DRAWN BY | MSANDBERG | 2007/06/18 |
| CHECKED BY | JLAURX | 2007/06/18 |
| APPROVED BY | JLAURX | 2010/10/15 |

TITLE: IMPACT BP 3 PAIR UNGUIDED ASSEMBLY SALES DRAWING

molex

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-76165-001
SHEET NO.: 3 OF 3
SIZE: C