

- NOTES:
- MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP)  
GLASS-FILLED, UL94V-0  
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
  - FINISH: 10 MICROINCH MIN. GOLD (MAPS) OR 30 MICROINCH MIN. GOLD IN CONTACT AREA. SELECTIVE MATTE TIN ON PCB TAILS, NICKEL OVERALL.
  - REFER TO MOLEX PRODUCT SPECIFICATION PS-75710-999 FOR PERFORMANCE SPECIFICATIONS.
  - FOR MIXED CONTACT MATING LENGTHS, CONSULT MOLEX FOR AVAILABILITY.
  - THIS PART CONFORMS TO CLASS B REQUIREMENTS OF MOLEX COSMETIC SPEC PS-45499-002.
  - PACKAGE PER: PK-70873-586.
  - REFER TO PCB ROUTING GUIDE FOR ANTIPAD AND ROUTING RECOMMENDATIONS.
  - MAPS (MOLEX ADVANCED PLATING SYSTEM).

|   |                     |  |  |                                   |                     |  |                        |  |  |
|---|---------------------|--|--|-----------------------------------|---------------------|--|------------------------|--|--|
| <b>LEAD FREE CONVERSION</b><br>EC NO: UCP2013-4288<br>DRAWN: WHIPPLE 2013/04/05<br>CHKD: WOLFE 2013/04/05<br>APPR: SMILLER 2013/08/26 | QUALITY SYMBOLS<br> | GENERAL TOLERANCES (UNLESS SPECIFIED)  |  | DIMENSION STYLE<br><b>MM ONLY</b> | SCALE<br><b>4:1</b> | DESIGN UNITS<br><b>METRIC</b>  | THIRD ANGLE PROJECTION |  |  |
|   |                     | 4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.13 ± ---<br>1 PLACE ± 0.25 ± ---<br>0 PLACE ± ± | mm INCH<br>± --- ± ---<br>± --- ± ---<br>± --- ± ---<br>± --- ± ---<br>± ± | DRAWN BY<br>BPISZCZOR             | DATE<br>2007/02/23  | TITLE<br><b>I-TRAC BACKPLANE HEADER<br/>         15 ROW UNGUIDED ASSEMBLY<br/>         SALES DRAWING</b> |                        |  |  |
|   |                     | ANGULAR ±1/2°  |  | CHECKED BY<br>JLAURX              | DATE<br>2007/02/23  |  |                        |  |  |
|   |                     | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS   |  | APPROVED BY<br>CBIXLER            | DATE<br>2007/02/23  |  |                        |  |  |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION         |                     |  |  |                                   |                     |  |                        |  |  |

# 76035-\*\*\*\*

MODULE TYPE -- TAIL PLATING  
 UNGUIDED -- MATTE TIN (FORMERLY TIN/LEAD) = 0  
 UNGUIDED -- MATTE TIN = 1

PIN LENGTH (P)  
 2 = 3.90 - 30 GOLD  
 3 = 4.70 - 30 GOLD  
 4 = 5.70 - 30 GOLD  
 5 = 4.70 & 5.70 - 30 GOLD STAGGERED  
 6 = 3.90 - 10 GOLD  
 7 = 4.70 - 10 GOLD  
 8 = 5.70 - 10 GOLD  
 9 = 4.70 & 5.70 - 10 GOLD STAGGERED

# OF COLUMNS  
 8 = 8 COL  
 9 = 9 COL  
 1 = 10 COL

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

| MATERIAL NUMBER | # OF COLUMNS | DIM "A" | DIM "B" |
|-----------------|--------------|---------|---------|
| 76035-*80*      | 8            | 29.45   | 25.90   |
| 76035-*90*      | 9            | 33.15   | 29.60   |
| 76035-*10*      | 10           | 36.85   | 33.30   |

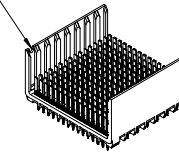
| MATERIAL NUMBER | # OF COLUMNS | DIM "A" | DIM "B" |
|-----------------|--------------|---------|---------|
| 76035-*82*      | 8            | 32.05   | 25.90   |
| 76035-*92*      | 9            | 35.75   | 29.60   |
| 76035-*12*      | 10           | 39.45   | 33.30   |

| MATERIAL NUMBER | # OF COLUMNS | DIM "A" | DIM "B" |
|-----------------|--------------|---------|---------|
| 76035-*81*      | 8            | 30.75   | 25.90   |
| 76035-*91*      | 9            | 34.45   | 29.60   |
| 76035-*11*      | 10           | 38.15   | 33.30   |

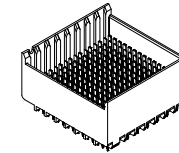
| MATERIAL NUMBER | # OF COLUMNS | DIM "A" | DIM "B" |
|-----------------|--------------|---------|---------|
| 76035-*83*      | 8            | 30.75   | 25.90   |
| 76035-*93*      | 9            | 34.45   | 29.60   |
| 76035-*13*      | 10           | 38.15   | 33.30   |

NOTCH DESIGNATES ROW A

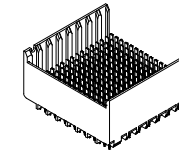
OPEN END SYTLE



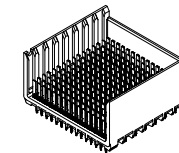
DUAL END WALL STYLE



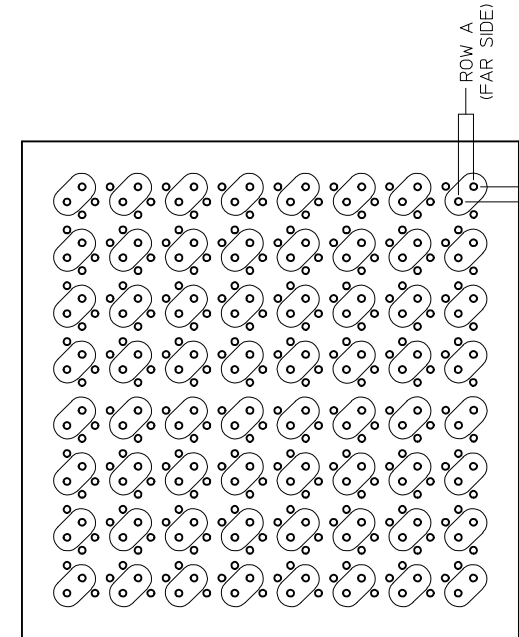
LEFT END WALL STYLE



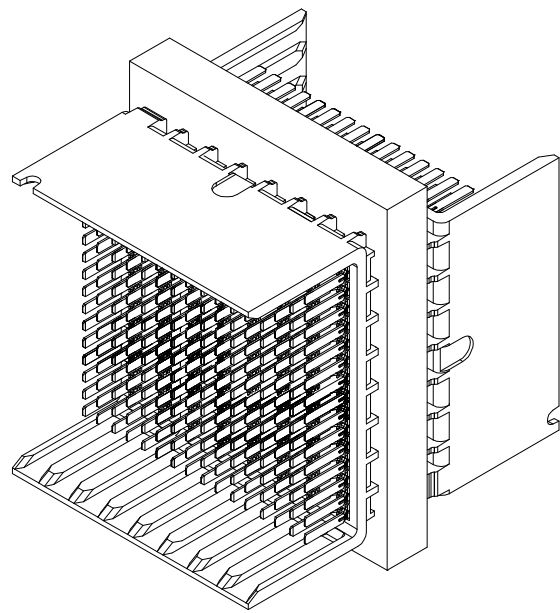
RIGHT END WALL STYLE



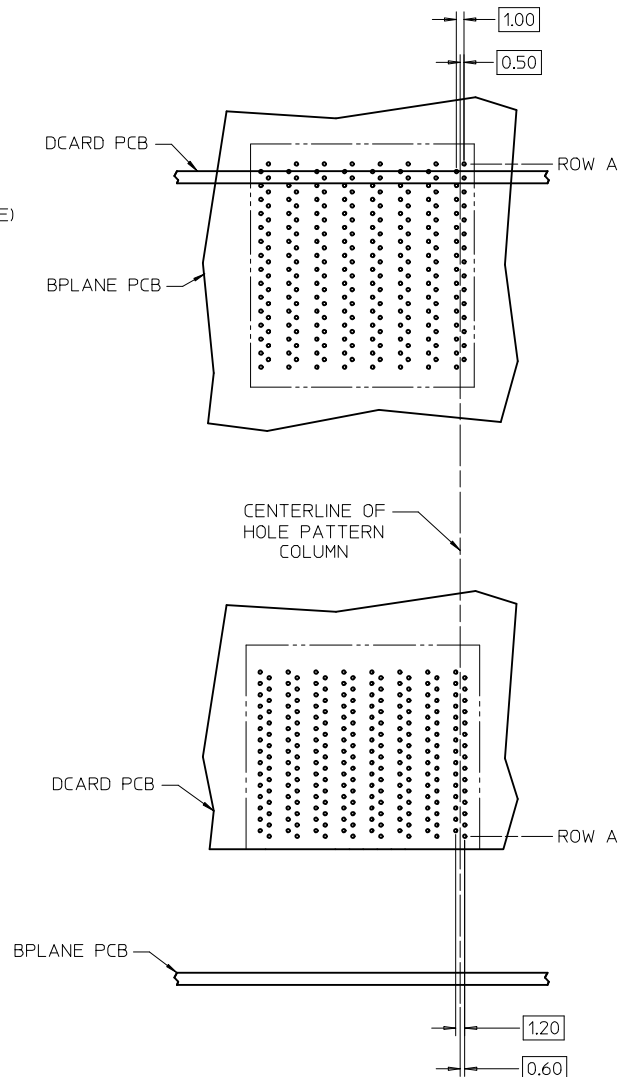
|   |                       |  |  |   |  |                        |
|---|-----------------------|--|--|---|--|------------------------|
| SEE SHEET 1<br>EC NO: UCP2013-4288<br>DRW:RWHP/PPLE 2013/04/05<br>CHKD:HWOLFE 2013/04/05<br>APPR:SMILLER 2013/08/26 | QUALITY SYMBOLS       | GENERAL TOLERANCES (UNLESS SPECIFIED)                | DIMENSION STYLE<br><b>MM ONLY</b>      | SCALE<br>4:1  | DESIGN UNITS<br>METRIC   | THIRD ANGLE PROJECTION |
|   | ▽=0                   | mm INCH  | DRAWN BY DATE<br>BPISZCZOR 2007/02/23  | TITLE   | I-TRAC BACKPLANE HEADER<br>15 ROW UNGUIDED ASSEMBLY<br>SALES DRAWING<br><b>molex</b><br>DOCUMENT NO. SD-76035-001 SHEET NO. 2 OF 4 |                        |
|   | ▽=0                   | 4 PLACES ± --- ± ---                                 | CHECKED BY DATE<br>JLAURX 2007/02/23   |   |  |                        |
|   | ▽=0                   | 3 PLACES ± --- ± ---                                 | APPROVED BY DATE<br>CBIXLER 2007/02/23 |   |  |                        |
| ▽=0   | 2 PLACES ± 0.13 ± --- | MATERIAL NO.   |  |   |  |                        |
|   |                       | 1 PLACE ± 0.25 ± ---                                 | SEE CHART                              | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                        |
|   |                       | 0 PLACE ± ±  | SIZE C                                 |   |  |                        |
|   |                       | ANGULAR ±1/2°  |  |   |  |                        |
|   |                       | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  |   |  |                        |



ORTHOGONAL MIDPLANE HOLE PATTERN  
(64 SIGNAL PAIRS SHARE VIAS)

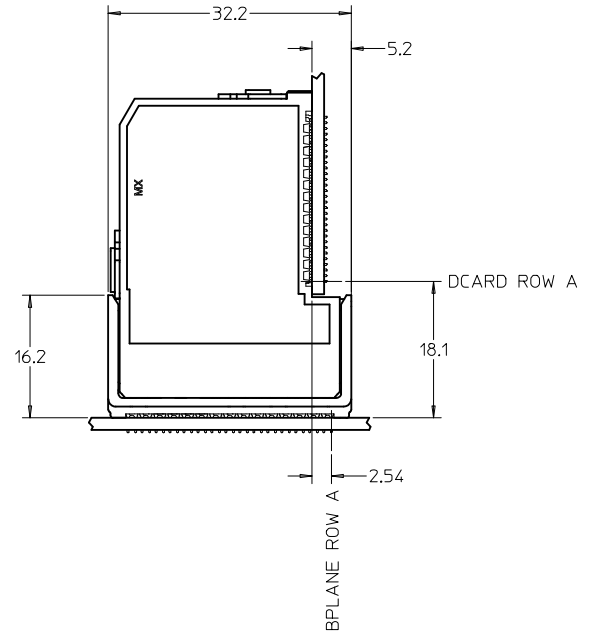


64 PAIR ORTHOGONAL MIDPLANE NODE  
(USES TWO 8 COLUMN, 15 ROW HEADERS)

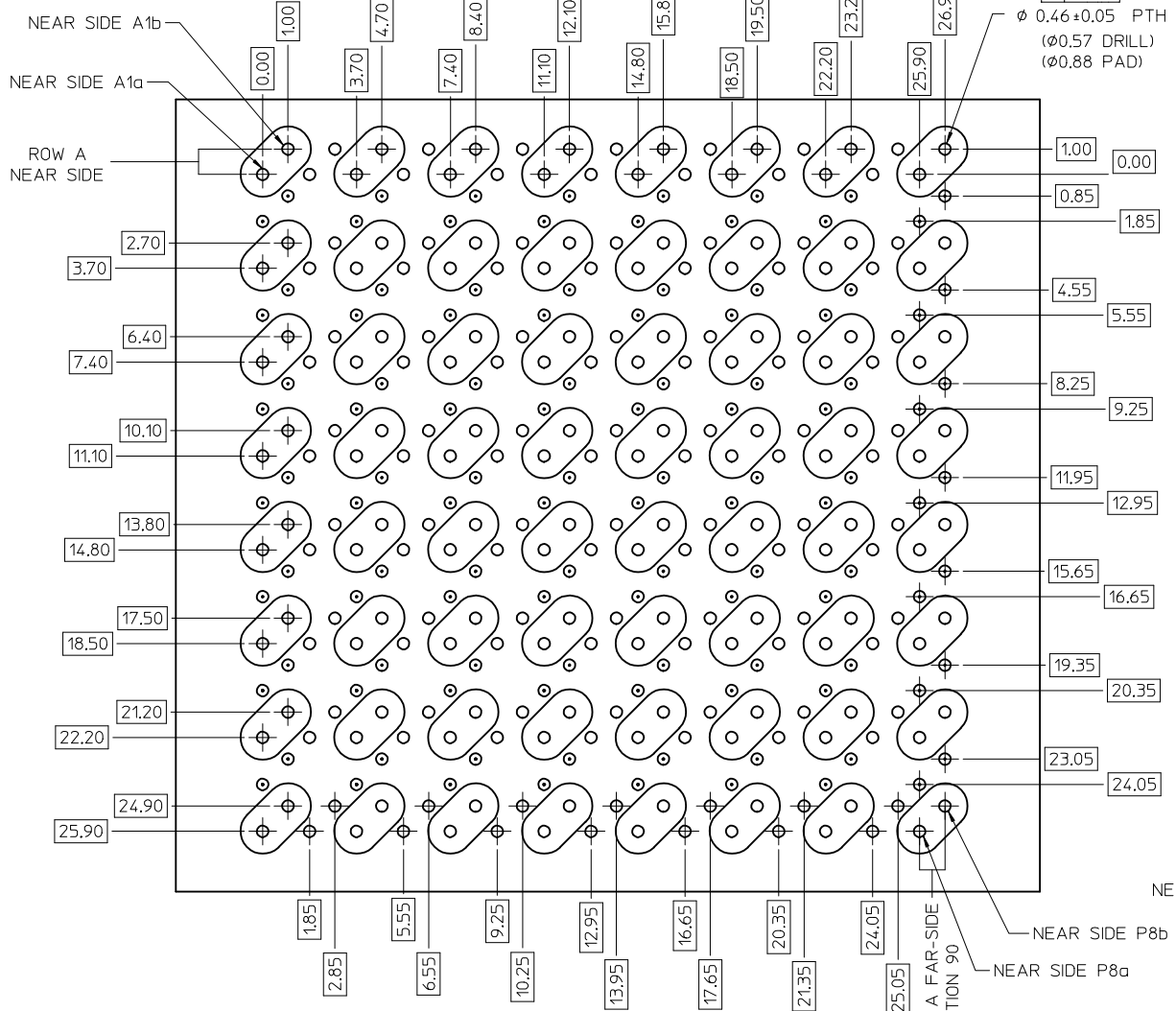


15 ROW I-TRAC  
BOARD RELATIONSHIPS

SCALE 2:1

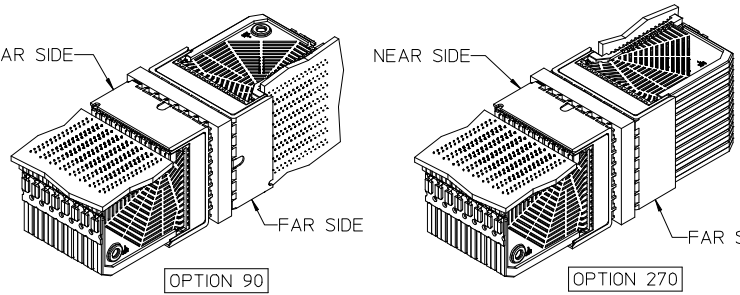


|  |   |   |             |   |      |          |           |             |          |            |             |          |            |            |         |            |            |         |       |       |  |  |  |  |   |
|--|---|---|-------------|---|------|----------|-----------|-------------|----------|------------|-------------|----------|------------|------------|---------|------------|------------|---------|-------|-------|--|--|--|--|---|
| <b>SEE SHEET 1</b><br>EC NO: UCP2013-4288<br>DRWNR:WHIPPLE 2013/04/05<br>CHKD:HWOLFE 2013/04/05<br>APPR:SMILLER 2013/08/26 | QUALITY SYMBOLS<br>$\nabla = 0$<br>$\nabla = 0$<br>$\nabla = 0$ | GENERAL TOLERANCES (UNLESS SPECIFIED)<br><table border="1"> <tr> <td></td> <td>mm</td> <td>INCH</td> </tr> <tr> <td>4 PLACES</td> <td><math>\pm .01</math></td> <td><math>\pm .0004</math></td> </tr> <tr> <td>3 PLACES</td> <td><math>\pm .013</math></td> <td><math>\pm .0005</math></td> </tr> <tr> <td>2 PLACES</td> <td><math>\pm 0.13</math></td> <td><math>\pm .005</math></td> </tr> <tr> <td>1 PLACE</td> <td><math>\pm 0.25</math></td> <td><math>\pm .010</math></td> </tr> <tr> <td>0 PLACE</td> <td><math>\pm</math></td> <td><math>\pm</math></td> </tr> </table> |             | mm  | INCH | 4 PLACES | $\pm .01$ | $\pm .0004$ | 3 PLACES | $\pm .013$ | $\pm .0005$ | 2 PLACES | $\pm 0.13$ | $\pm .005$ | 1 PLACE | $\pm 0.25$ | $\pm .010$ | 0 PLACE | $\pm$ | $\pm$ | DIMENSION STYLE<br><b>MM ONLY</b><br>DRAWN BY DATE<br>BPISZCZOR 2007/02/23<br>CHECKED BY DATE<br>JLAURX 2007/02/23<br>APPROVED BY DATE<br>CBIXLER 2007/02/23 | SCALE<br><b>4:1</b><br>DESIGN UNITS<br><b>METRIC</b><br>THIRD ANGLE PROJECTION | TITLE<br><b>I-TRAC BACKPLANE HEADER<br/>15 ROW UNGUIDED ASSEMBLY<br/>SALES DRAWING</b><br><b>molex</b> | MATERIAL NO.<br><b>SEE CHART</b><br>SIZE<br><b>C</b> | DOCUMENT NO.<br><b>SD-76035-001</b><br>SHEET NO.<br><b>3 OF 4</b> |
|  |   | mm  | INCH        |   |      |          |           |             |          |            |             |          |            |            |         |            |            |         |       |       |  |  |  |  |   |
|  | 4 PLACES  | $\pm .01$   | $\pm .0004$ |   |      |          |           |             |          |            |             |          |            |            |         |            |            |         |       |       |  |  |  |  |   |
|  | 3 PLACES  | $\pm .013$  | $\pm .0005$ |   |      |          |           |             |          |            |             |          |            |            |         |            |            |         |       |       |  |  |  |  |   |
| 2 PLACES   | $\pm 0.13$  | $\pm .005$  |             |   |      |          |           |             |          |            |             |          |            |            |         |            |            |         |       |       |  |  |  |  |   |
| 1 PLACE  | $\pm 0.25$  | $\pm .010$  |             |   |      |          |           |             |          |            |             |          |            |            |         |            |            |         |       |       |  |  |  |  |   |
| 0 PLACE  | $\pm$   | $\pm$   |             |   |      |          |           |             |          |            |             |          |            |            |         |            |            |         |       |       |  |  |  |  |   |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS   |   | ANGULAR $\pm 1/2^\circ$   |             | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |      |          |           |             |          |            |             |          |            |            |         |            |            |         |       |       |  |  |  |  |   |



| ORTHO PIN MAPPING                |         |         |         |         |         |         |         |
|----------------------------------|---------|---------|---------|---------|---------|---------|---------|
| OPTION 90 (NEAR SIDE - FAR SIDE) |         |         |         |         |         |         |         |
| A1b-P8b                          | A2b-N8b | A3b-L8b | A4b-J8b | A5b-G8b | A6b-E8b | A7b-C8b | A8b-A8b |
| A1a-P8a                          | A2a-N8a | A3a-L8a | A4a-J8a | A5a-G8a | A6a-E8a | A7a-C8a | A8a-A8a |
| C1b-P7b                          | C2b-N7b | C3b-L7b | C4b-J7b | C5b-G7b | C6b-E7b | C7b-C7b | C8a-A7b |
| C1a-P7a                          | C2a-N7a | C3a-L7a | C4a-J7a | C5a-G7a | C6a-E7a | C7a-C7a | C8a-A7a |
| E1b-P6b                          | E2b-N6b | E3b-L6b | E4b-J6b | E5b-G6b | E6b-E6b | E7b-C6b | E8b-A6b |
| E1a-P6a                          | E2a-N6a | E3a-L6a | E4a-J6a | E5a-G6a | E6a-E6a | E7a-C6a | E8a-A6a |
| G1b-P5b                          | G2b-N5b | G3b-L5b | G4b-J5b | G5b-G5b | G6b-E5b | G7b-C5b | G8b-A5b |
| G1a-P5a                          | G2a-N5a | G3a-L5a | G4a-J5a | G5a-G5a | G6a-E5a | G7a-C5a | G8a-A5a |
| J1b-P4b                          | J2b-N4b | J3b-L4b | J4b-J4b | J5b-G4b | J6b-E4b | J7b-C4b | J8b-A4b |
| J1a-P4a                          | J2a-N4a | J3a-L4a | J4a-J4a | J5a-G4a | J6a-E4a | J7a-C4a | J8a-A4a |
| L1b-P3b                          | L2b-N3b | L3b-L3b | L4b-J3b | L5b-G3b | L6b-E3b | L7b-C3b | L8a-A3b |
| L1a-P3a                          | L2a-N3a | L3a-L3a | L4a-J3a | L5a-G3a | L6a-E3a | L7a-C3a | L8a-A3a |
| N1b-P2b                          | N2b-N2b | N3b-L2b | N4b-J2b | N5b-G2b | N6b-E2b | N7b-C2b | N8b-A2b |
| N1a-P2a                          | N2a-N2a | N3a-L2a | N4a-J2a | N5a-G2a | N6a-E2a | N7a-C2a | N8a-A2a |
| P1b-P1b                          | P2b-N1b | P3b-L1b | P4b-J1b | P5b-G1b | P6b-E1b | P7b-C1b | P8b-A1b |
| P1a-P1a                          | P2a-N1a | P3a-L1a | P4a-J1a | P5a-G1a | P6a-E1a | P7a-C1a | P8a-A1a |

| ORTHO PIN MAPPING                 |         |         |         |         |         |         |         |
|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|
| OPTION 270 (NEAR SIDE - FAR SIDE) |         |         |         |         |         |         |         |
| A1b-A1a                           | A2b-C1a | A3b-E1a | A4b-G1a | A5b-J1a | A6b-L1a | A7b-N1a | A8b-P1a |
| A1a-A1a                           | A2a-C1b | A3a-E1b | A4a-G1b | A5a-J1b | A6a-L1b | A7a-N1b | A8a-P1b |
| C1b-A2a                           | C2b-C2a | C3b-E2a | C4b-G2a | C5b-J2a | C6b-L2a | C7b-N2a | C8b-P2a |
| C1a-A2b                           | C2a-C2b | C3a-E2b | C4a-G2b | C5a-J2b | C6a-L2b | C7a-N2b | C8a-P2b |
| E1b-A3a                           | E2b-C3a | E3b-E3a | E4b-G3a | E5b-J3a | E6b-L3a | E7b-N3a | E8b-P3a |
| E1a-A3b                           | E2a-C3b | E3a-E3b | E4a-G3b | E5a-J3b | E6a-L3b | E7a-N3b | E8a-P3b |
| G1b-A4a                           | G2b-C4a | G3b-E4a | G4b-G4a | G5b-J4a | G6b-L4a | G7b-N4a | G8b-P4a |
| G1a-A4b                           | G2a-C4b | G3a-E4b | G4a-G4b | G5a-J4b | G6a-L4b | G7a-N4b | G8a-P4b |
| J1b-A5a                           | J2b-C5a | J3b-E5a | J4b-G5a | J5b-J5a | J6b-L5a | J7b-N5a | J8b-P5a |
| J1a-A5b                           | J2a-C5b | J3a-E5b | J4a-G5b | J5a-J5b | J6a-L5b | J7a-N5b | J8a-P5b |
| L1b-A6a                           | L2b-C6a | L3b-E6a | L4b-G6a | L5b-J6a | L6b-L6a | L7b-N6a | L8b-P6a |
| L1a-A6b                           | L2a-C6b | L3a-E6b | L4a-G6b | L5a-J6b | L6a-L6b | L7a-N6b | L8a-P6b |
| N1b-A7a                           | N2b-C7a | N3b-E7a | N4b-G7a | N5b-J7a | N6b-L7a | N7b-N7a | N8b-P7a |
| N1a-A7b                           | N2a-C7b | N3a-E7b | N4a-G7b | N5a-J7b | N6a-L7b | N7a-N7b | N8a-P7b |
| P1b-A8a                           | P2b-C8a | P3b-E8a | P4b-G8a | P5b-J8a | P6b-L8a | P7b-N8a | P8b-P8a |
| P1a-A8b                           | P2a-C8b | P3a-E8b | P4a-G8b | P5a-J8b | P6a-L8b | P7a-N8b | P8a-P8b |



NOTES:

- SIGNAL PAIRS (SHARED VIAS)
- NEAR SIDE GROUNDS
- FAR SIDE GROUNDS

### Orthogonal PCB Layout

|  |                      |                                       |   |                       |  |                        |  |
|--|----------------------|---------------------------------------|---|-----------------------|--|------------------------|--|
| SEE SHEET 1<br>EC NO: UCP2013-4288<br>DRWIN:RWHIPPLE 2013/04/05<br>CHKD:MMOLLE 2013/04/05<br>APPR:SMILLER 2013/08/26 | QUALITY SYMBOLS      | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE   | SCALE                 | DESIGN UNITS   | THIRD ANGLE PROJECTION |  |
|  |                      | mm INCH                               | MM ONLY   | 4:1                   | METRIC   |                        |  |
|  |                      | 4 PLACES ± --- ± ---                  | DRAWN BY DATE   | BPI SZCZOR 2007/02/23 | I-TRAC BACKPLANE HEADER<br>15 ROW UNGUIDED ASSEMBLY<br>SALES DRAWING<br><b>molex</b> |                        |  |
|  |                      | 3 PLACES ± --- ± ---                  | CHECKED BY DATE   | JLAURX 2007/02/23     |  |                        |  |
|  |                      | 2 PLACES ± 0.13 ± ---                 | APPROVED BY DATE  | CB IXLER 2007/02/23   | DOCUMENT NO.   | SD-76035-001           |  |
|  | 1 PLACE ± 0.25 ± --- | MATERIAL NO.                          | SEE CHART   | SHEET NO. 4 OF 4      |  |                        |  |
|  | 0 PLACE ± ±          | ANGULAR ±1/2°                         | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                       |  |                        |  |