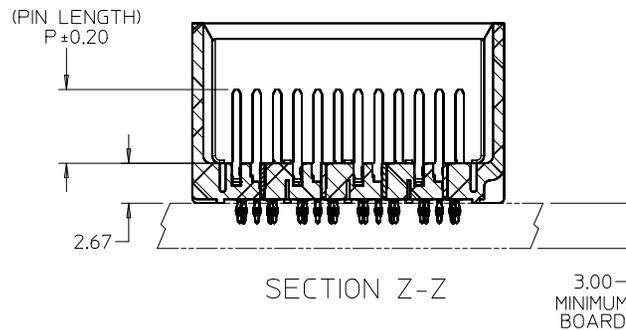
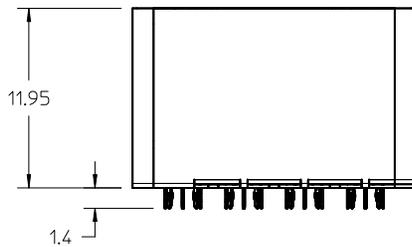
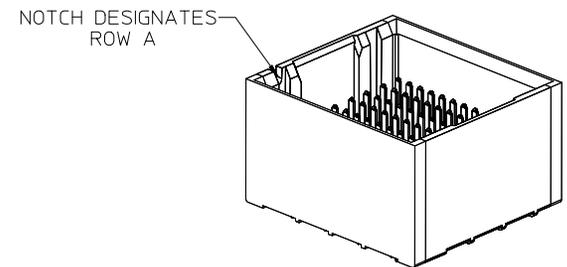


BACKPLANE HOLE PATTERN
(CONNECTOR SIDE)



SECTION Z-Z



(DUAL ENDWALL SHOWN)

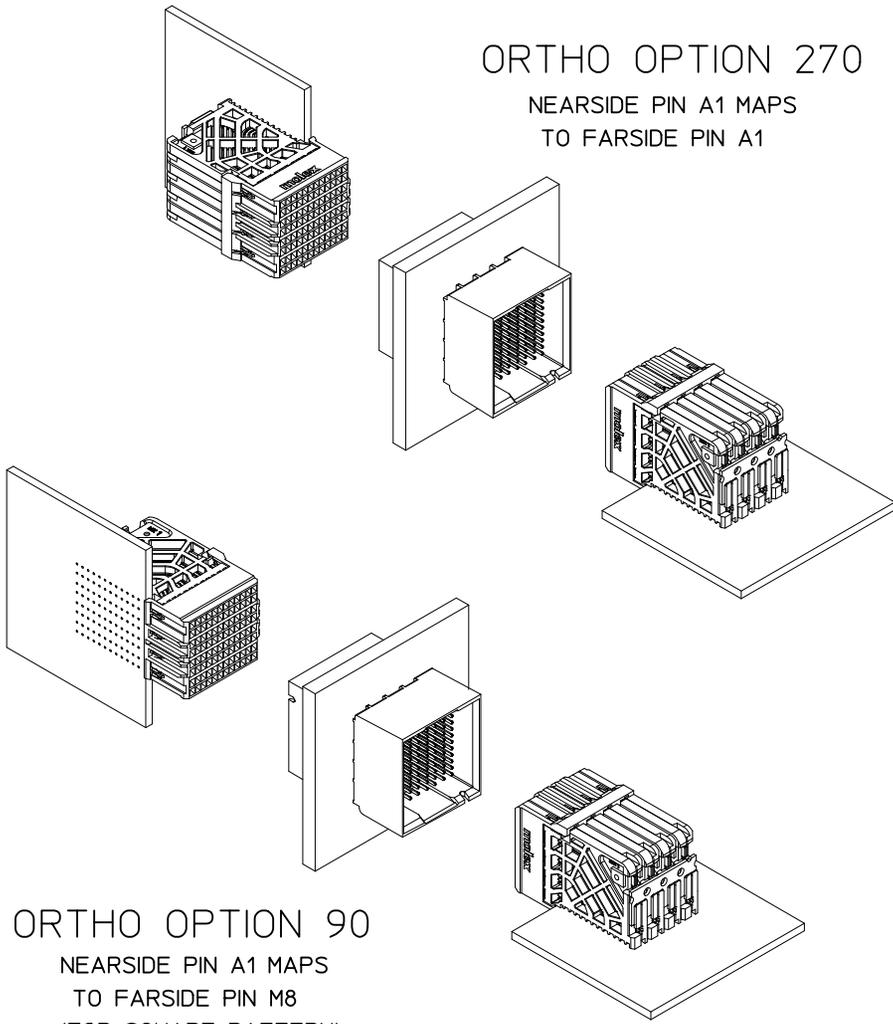
- NOTES:
- MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP)
GLASS-FILLED, UL94V-0
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
 - FINISH: 10 μ MIN GOLD IN CONTACT AREA.
SELECTIVE MATTE TIN (LEAD-FREE) ON PCB TAILS.
NICKEL OVERALL.
 - REFER TO MOLEX PRODUCT SPECIFICATION PS-76060-999
FOR PERFORMANCE SPECIFICATIONS AND ADDITIONAL PCB INFORMATION.
 - THIS PART CONFORMS TO CLASS B REQUIREMENTS OF
COSMETIC SPEC PS-45499-002.
 - PRODUCT IS PACKAGED PER PK-70873-7706.
 - SEE SHEETS 2 AND 3 FOR PART NUMBERS AND ORTHOGONAL PIN MAPPING.
 - REFER TO MOLEX SALES DRAWING SD-76850-001 FOR THE MATING RECEPTACLES.
 - REFER TO MOLEX ROUTING GUIDE AS-76850-990 FOR ADDITIONAL PCB LAYOUT
AND ROUTING RECOMMENDATIONS.

| | | | | | | | | |
|--|--------------------------------------|--|----------------------|-----------------------------------|----------------------------|---|------------------------|--|
| ADD LEAD-FREE TO NOTES EC NO: UCP2012-3987 DRWN: MENDOZA 2012/06/04 CHKD: APPR: TELO 2012/06/05 | QUALITY SYMBOLS ▽=0 ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | SCALE 4:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | |
| | | 4 PLACES ± --- ± --- | 3 PLACES ± --- ± --- | DRAWN BY JGONZALEZ01 | DATE 2012/01/17 | TITLE IMPACT 4 PAIR HEADER ORTHOGONAL ASSEMBLY UNGUIDED SALES DRAWING | | |
| | | 2 PLACES ± 0.13 ± --- | 1 PLACE ± 0.25 ± --- | CHECKED BY JMENDOZA | DATE 2012/01/17 | MOLEX MOLEX INCORPORATED | | |
| | | ANGULAR ± 1/2° | | APPROVED BY JB INGHAM | DATE 2012/05/29 | DOCUMENT NO. SD-171348-0001 | | |
| REV A1 | DESCRIPTION | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SIZE C | SHEET NO. 1 OF 3 | | | |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | | |

| MATERIAL NUMBER | # OF COLUMNS | # OF DIFF PAIR | DIM A | DIM B | DIM C |
|-----------------|--------------|----------------|-------|-------|-------|
| 171348-160* | 6 | 24 | 12.00 | 10.00 | 10.40 |
| 171348-161* | 6 | 24 | 13.40 | 10.00 | 10.40 |
| 171348-162* | 6 | 24 | 14.80 | 10.00 | 10.40 |
| 171348-163* | 6 | 24 | 13.40 | 10.00 | 10.40 |
| 171348-180* | 8 | 32 | 16.05 | 14.05 | 14.45 |
| 171348-181* | 8 | 32 | 17.45 | 14.05 | 14.45 |
| 171348-182* | 8 | 32 | 18.85 | 14.05 | 14.45 |
| 171348-183* | 8 | 32 | 17.45 | 14.05 | 14.45 |
| 171348-110* | 10 | 40 | 20.10 | 18.10 | 18.50 |
| 171348-111* | 10 | 40 | 21.50 | 18.10 | 18.50 |
| 171348-112* | 10 | 40 | 22.90 | 18.10 | 18.50 |
| 171348-113* | 10 | 40 | 21.50 | 18.10 | 18.50 |

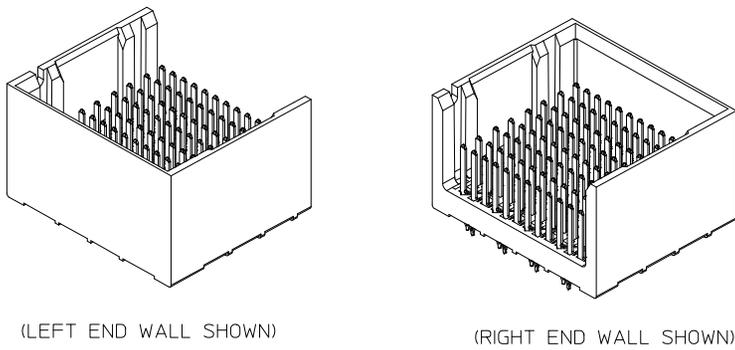
ORTHO OPTION 270

NEAR SIDE PIN A1 MAPS
TO FAR SIDE PIN A1



ORTHO OPTION 90

NEAR SIDE PIN A1 MAPS
TO FAR SIDE PIN M8
(FOR SQUARE PATTERN)



(LEFT END WALL SHOWN)

(RIGHT END WALL SHOWN)

171348-1***

MODULE & TAIL PLATING TYPE _____ PIN LENGTH (P)

1 = UNGUIDED, MATTE TIN (LEAD-FREE)

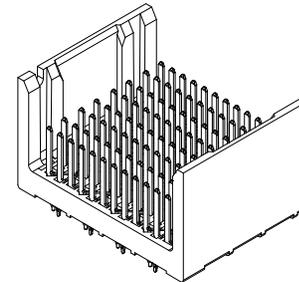
4 = 4.90 (0.46 PTH)
5 = 5.50 (0.46 PTH)
7 = 4.90 (0.39 PTH)
8 = 5.50 (0.39 PTH)

OF COLUMNS _____

6 = 6 COLUMN
8 = 8 COLUMN
1 = 10 COLUMN

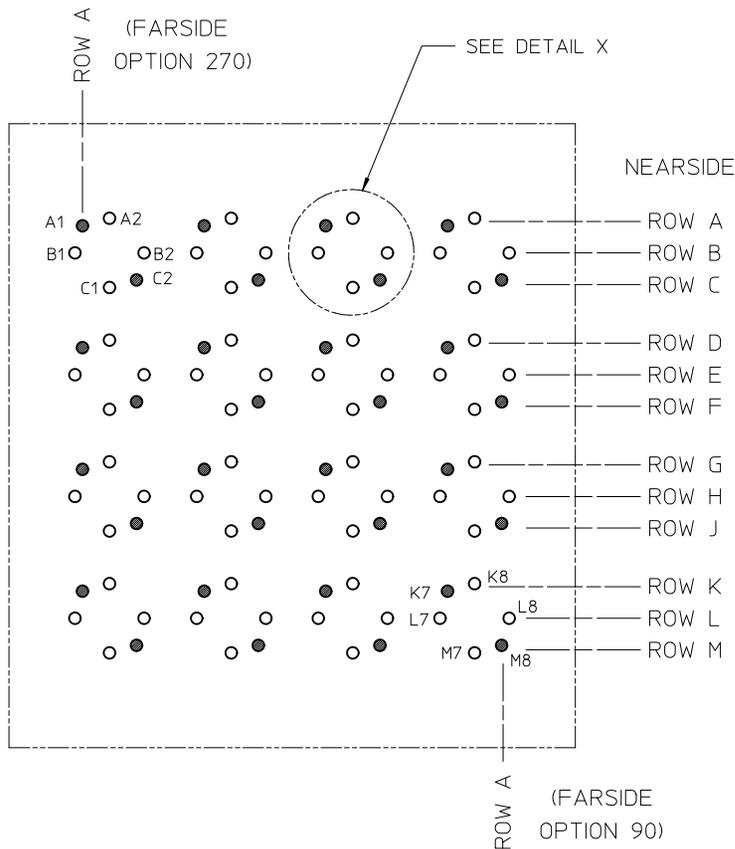
ENDWALL OPTIONS

0 = OPEN ENDS
1 = LEFT ENDWALL
2 = DUAL ENDWALL
3 = RIGHT ENDWALL

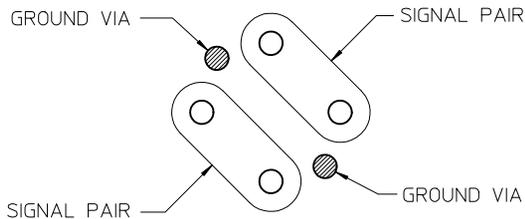


(OPEN END OPTION SHOWN)

| SEE SHEET 1 EC NO: UCP2012-3987 DRWN: MENDOZA 2012/06/04 CHKD: APPR: TELO 2012/06/05 REV: | DESCRIPTION 2012/06/05 | QUALITY SYMBOLS ▽=0 ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.13</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.25</td> <td>± ---</td> </tr> </tbody> </table> | | mm | INCH | 4 PLACES | ± --- | ± --- | 3 PLACES | ± --- | ± --- | 2 PLACES | ± 0.13 | ± --- | 1 PLACE | ± 0.25 | ± --- | DIMENSION STYLE MM ONLY | SCALE 4:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION |
|---|---------------------------------------|--|--|--|---|-----------------------|----------|-------|-------|----------|-------|-------|----------|--------|-------|---------|--------|-------|-----------------------------------|---------------------|-------------------------------|------------------------|
| | | mm | INCH | | | | | | | | | | | | | | | | | | | |
| | 4 PLACES | ± --- | ± --- | | | | | | | | | | | | | | | | | | | |
| | 3 PLACES | ± --- | ± --- | | | | | | | | | | | | | | | | | | | |
| 2 PLACES | ± 0.13 | ± --- | | | | | | | | | | | | | | | | | | | | |
| 1 PLACE | ± 0.25 | ± --- | | | | | | | | | | | | | | | | | | | | |
| DRAWN BY JGONZALEZ01 | DATE 2012/01/17 | CHECKED BY JMENDOZA | DATE 2012/01/17 | IMPACT 4 PAIR HEADER ORTHOGONAL ASSEMBLY UNGUIDED SALES DRAWING | | | | | | | | | | | | | | | | | | |
| APPROVED BY JB INGHAM | DATE 2012/05/29 | SEE CHART | | MOLEX INCORPORATED | | SD-171348-0001 | | | | | | | | | | | | | | | | |
| MATERIAL NO. A1 | DOCUMENT NO. SD-171348-0001 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SIZE C | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | | | | | | | | | | | |



MIDPLANE PCB LAYOUT



DETAIL X
SCALE 16:1

| ORTHO PIN MAPPING | | | | | | | |
|---------------------------------|---------|---------|---------|---------|---------|---------|---------|
| OPTION 270 (NEARSIDE - FARSIDE) | | | | | | | |
| (A1-A1) | A2-B1 | (A3-D1) | A4-E1 | (A5-G1) | A6-H1 | (A7-K1) | A8-L1 |
| B1-A2 | B2-C1 | B3-D2 | B4-F1 | B5-G2 | B6-J1 | B7-K2 | B8-M1 |
| C1-B2 | (C2-C2) | C3-E2 | (C4-F2) | C5-H2 | (C6-J2) | C7-L2 | (C8-M2) |
| (D1-A3) | D2-B3 | (D3-D3) | D4-E3 | (D5-G3) | D6-H3 | (D7-K3) | D8-L3 |
| E1-A4 | E2-C3 | E3-D4 | E4-F3 | E5-G4 | E6-J3 | E7-K4 | E8-M3 |
| F1-B4 | (F2-C4) | F3-E4 | (F4-F4) | F5-H4 | (F6-J4) | F7-L4 | (F8-M4) |
| (G1-A5) | G2-B5 | (G3-D5) | G4-E5 | (G5-G5) | G6-H5 | (G7-K5) | G8-L5 |
| H1-A6 | H2-C5 | H3-D6 | H4-F5 | H5-G6 | H6-J5 | H7-K6 | H8-M5 |
| J1-B6 | (J2-C6) | J3-E6 | (J4-F6) | J5-H6 | (J6-J6) | J7-L6 | (J8-M6) |
| (K1-A7) | K2-B7 | (K3-D7) | K4-E7 | (K5-G7) | K6-H7 | (K7-K7) | K8-L7 |
| L1-A8 | L2-C7 | L3-D8 | L4-F7 | L5-G8 | L6-J7 | L7-K8 | L8-M7 |
| M1-B8 | (M2-C8) | M3-E8 | (M4-F8) | M5-H8 | (M6-J8) | M7-L8 | (M8-M8) |

| ORTHO PIN MAPPING | | | | | | | |
|--------------------------------|---------|---------|---------|---------|---------|---------|---------|
| OPTION 90 (NEARSIDE - FARSIDE) | | | | | | | |
| (A1-M8) | A2-L8 | (A3-J8) | A4-H8 | (A5-F8) | A6-E8 | (A7-C8) | A8-B8 |
| B1-M7 | B2-K8 | B3-J7 | B4-G8 | B5-F7 | B6-D8 | B7-C7 | B8-A8 |
| C1-L7 | (C2-K7) | C3-H7 | (C4-G7) | C5-E7 | (C6-D7) | C7-B7 | (C8-A7) |
| (D1-M6) | D2-L6 | (D3-J6) | D4-H6 | (D5-F6) | D6-E6 | (D7-C6) | D8-B6 |
| E1-M5 | E2-K6 | E3-J5 | E4-G6 | E5-F5 | E6-D6 | E7-C5 | E8-A6 |
| F1-L5 | (F2-K5) | F3-H5 | (F4-G5) | F5-E5 | (F6-D5) | F7-B5 | (F8-A5) |
| (G1-M4) | G2-L4 | (G3-J4) | G4-H4 | (G5-F4) | G6-E4 | (G7-C4) | G8-B4 |
| H1-M3 | H2-K4 | H3-J3 | H4-G4 | H5-F3 | H6-D4 | H7-C3 | H8-A4 |
| J1-L3 | (J2-K3) | J3-H3 | (J4-G3) | J5-E3 | (J6-D3) | J7-B3 | (J8-A3) |
| (K1-M2) | K2-L2 | (K3-J2) | K4-H2 | (K5-F2) | K6-E2 | (K7-C2) | K8-B2 |
| L1-M1 | L2-K2 | L3-J1 | L4-G2 | L5-F1 | L6-D2 | L7-C1 | L8-A2 |
| M1-L1 | (M2-K1) | M3-H1 | (M4-G1) | M5-E1 | (M6-D1) | M7-B1 | (M8-A1) |

NOTE: PINOUTS SHOWN IN BALLOONS ARE GROUNDS.
PINOUTS SHOWN ARE FOR SQUARE (8 COLUMN) PATTERN ONLY.

| | | | | | | | | |
|--|--------------------------------------|---------------------------------------|---------|--|--------------------|---|-------------------------------|------------------------|
| SEE SHEET 1 EC NO: UCP2012-3987 DRWN: MENDOZA 2012/06/04 CHKD: APPR: TELO 2012/06/05 REV: | QUALITY SYMBOLS ▽=0 ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE 8:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION |
| | | 4 PLACES ± --- ± --- | mm INCH | DRAWN BY JGONZALEZ01 | DATE 2012/01/17 | TITLE IMPACT 4 PAIR HEADER ORTHOGONAL ASSEMBLY UNGUIDED SALES DRAWING | | |
| | | 3 PLACES ± --- ± --- | | CHECKED BY JMENDOZA | DATE 2012/01/17 | MOLEX INCORPORATED DOCUMENT NO. SD-171348-0001 SHEET NO. 3 OF 3 | | |
| | | 2 PLACES ± 0.13 ± --- | | APPROVED BY JB INGHAM | DATE 2012/05/29 | | | |
| 1 PLACE ± 0.25 ± --- | | ANGULAR ± 1/2° | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | |