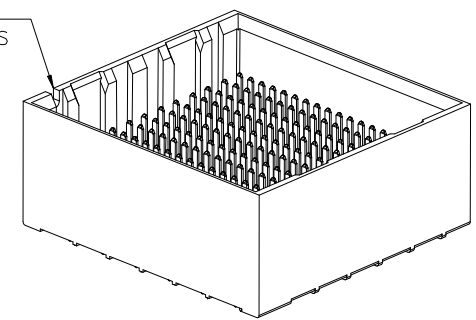
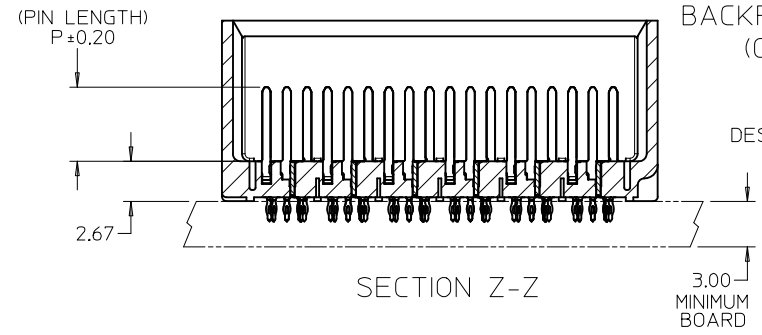
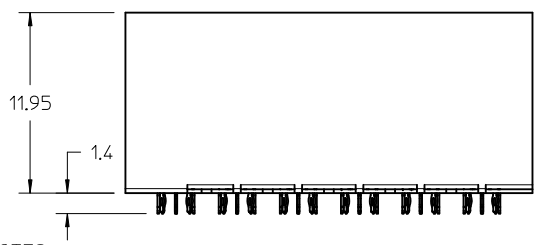
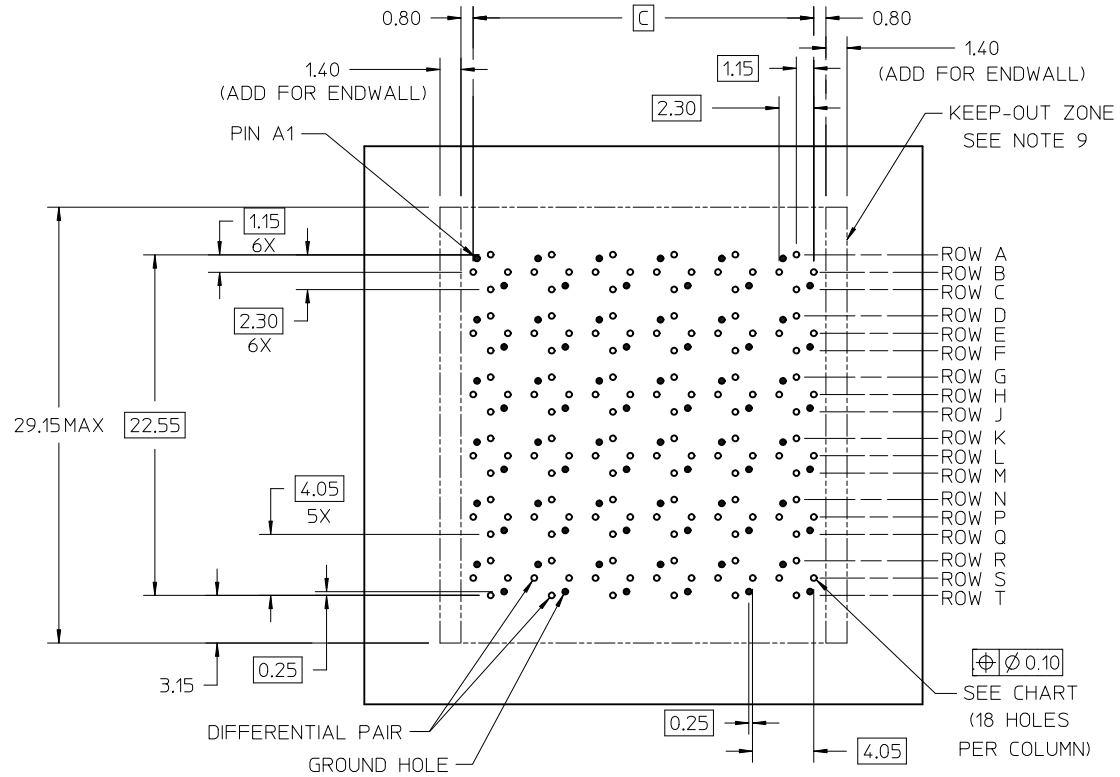
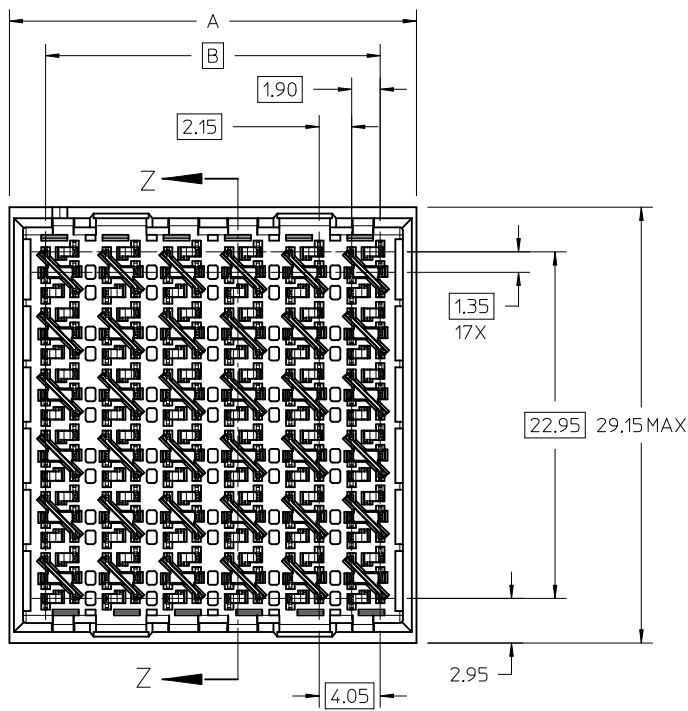
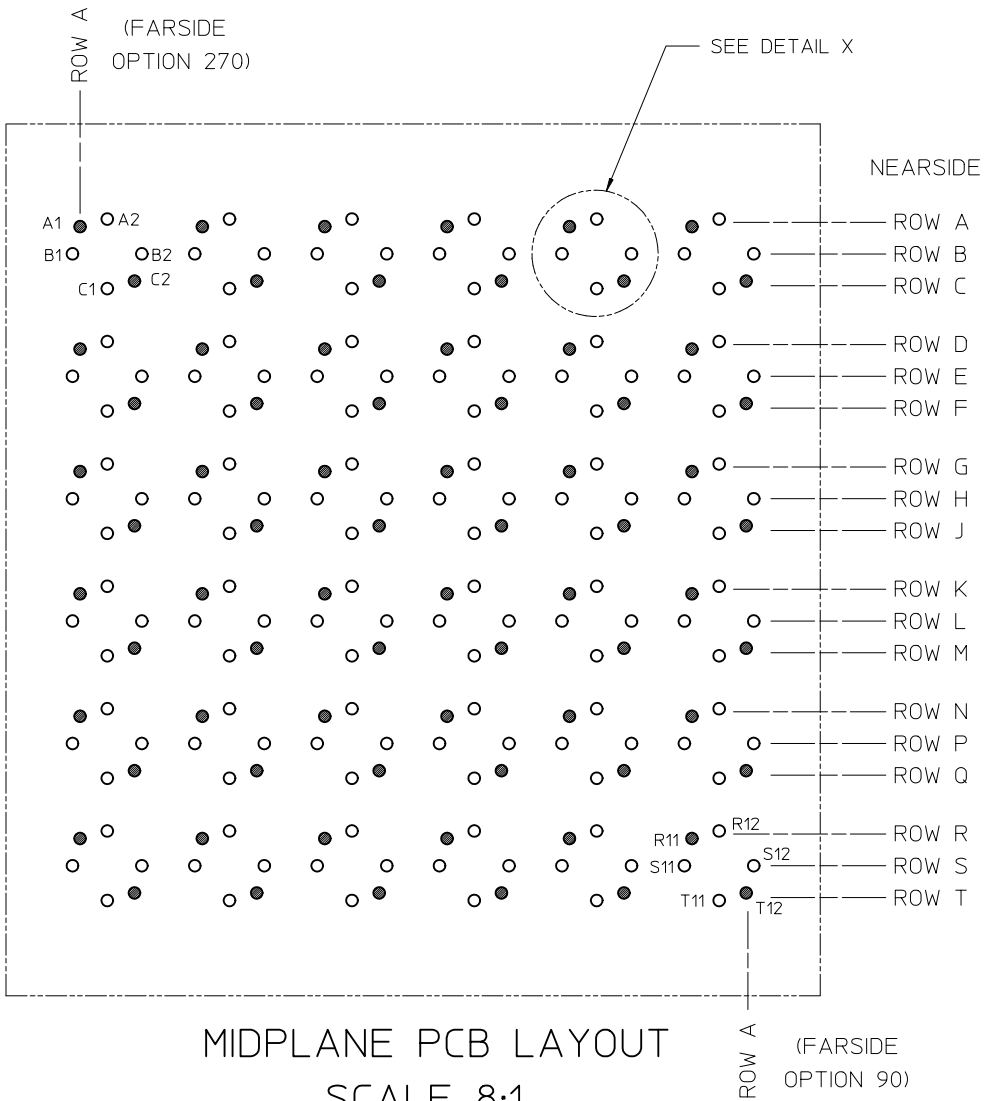




(DUAL ENDWALL SHOWN)

- 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 OR TIN-LEAD 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  
COSMETIC SPEC PS-45499-002.
  5. PRODUCT IS PACKAGED PER PK-70873-7708.
  6. SEE SHEETS 2 THRU 4 FOR PART NUMBERS AND ORTHOGONAL PIN MAPPING.
  7. REFER TO MOLEX SALES DRAWING SD-76290-001 FOR THE MATING RECEPTABLES.
  8. REFER TO MOLEX ROUTING GUIDE AS-76850-990 FOR ADDITIONAL PCB LAYOUT  
AND ROUTING RECOMMENDATIONS.
  - 9.\*THESE DIMENSIONS REPRESENT THE AREA NEEDED TO ACCOMMODATE CONNECTOR  
INSERTION AND REPAIR ON THE PC BOARD. THIS DOES NOT REPRESENT  
THE ACTUAL PERIMETER OF THE CONNECTOR.\*

|                                                                                                                  |  |                    |                                                                 |                                                            |  |                            |                                                                                                                                  |                                                                       |                        |                                                                                                              |
|------------------------------------------------------------------------------------------------------------------|--|--------------------|-----------------------------------------------------------------|------------------------------------------------------------|--|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------|
| REVISE OVERALL HOUSING DIM.<br>EC NO: UCP2013-0786<br>DRWN:GGA<br>CHKD:<br>APPR:TELO<br>2012/08/24<br>2012/12/10 |  | 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>4:1                                                          | DESIGN UNITS<br>METRIC |  THIRD ANGLE PROJECTION |
|                                                                                                                  |  |                    |                                                                 |                                                            |  |                            |                                                                                                                                  | TITLE                                                                 |                        |                                                                                                              |
|                                                                                                                  |  |                    |                                                                 |                                                            |  |                            |                                                                                                                                  | IMPACT 6 PAIR HEADER<br>ORTHOGONAL ASSEMBLY<br>UNGUIDED SALES DRAWING |                        |                                                                                                              |
|                                                                                                                  |  |                    |                                                                 |                                                            |  |                            |                                                                                                                                  | molex                                                                 |                        |                                                                                                              |
|                                                                                                                  |  |                    |                                                                 | ANGULAR ±1/2°                                              |  | MATERIAL NO.               |                                                                                                                                  | DOCUMENT NO.                                                          |                        | SHEET NO.                                                                                                    |
|                                                                                                                  |  |                    |                                                                 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | SEE CHART                  |                                                                                                                                  | SD-76285-001                                                          |                        | 1 OF 4                                                                                                       |
|                                                                                                                  |  |                    |                                                                 |                                                            |  | SIZE<br>C                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                       |                        |                                                                                                              |



| MATERIAL NUMBER | # OF COLUMNS | # OF DIFF PAIR | DIM A | DIM B | DIM C |
|-----------------|--------------|----------------|-------|-------|-------|
| 76285-*10*      | 10           | 60             | 20.1  | 18.10 | 18.50 |
| 76285-*12*      | 10           | 60             | 22.9  | 18.10 | 18.50 |
| 76285-*20*      | 12           | 72             | 24.2  | 22.15 | 22.55 |
| 76285-*22*      | 12           | 72             | 27.0  | 22.15 | 22.55 |

76285-\*\*\*

MODULE & TAIL PLATING TYPE

0 = UNGUIDED, TIN/LEAD

1 = UNGUIDED, TIN

PIN LENGTH (P)

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

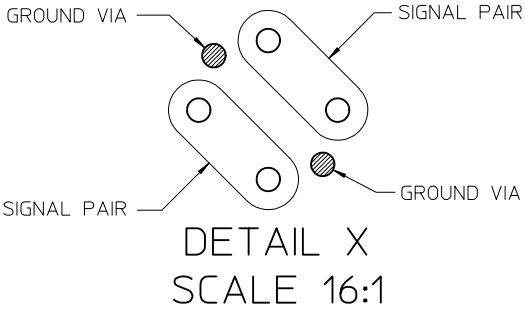
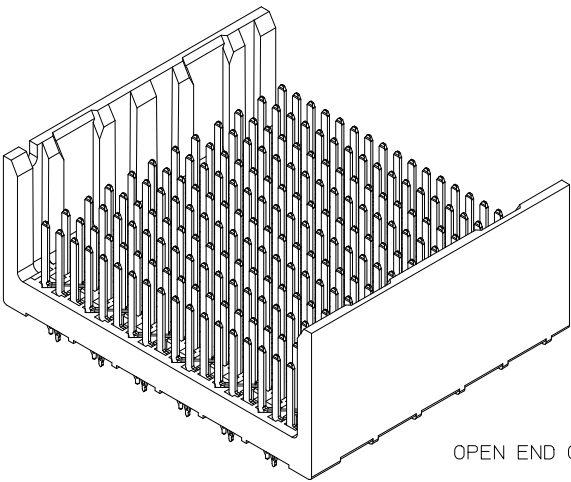
1 = 10 COLUMNS

2 = 12 COLUMNS

ENDWALL OPTIONS

0 = OPEN ENDS

2 = DUAL ENDWALL



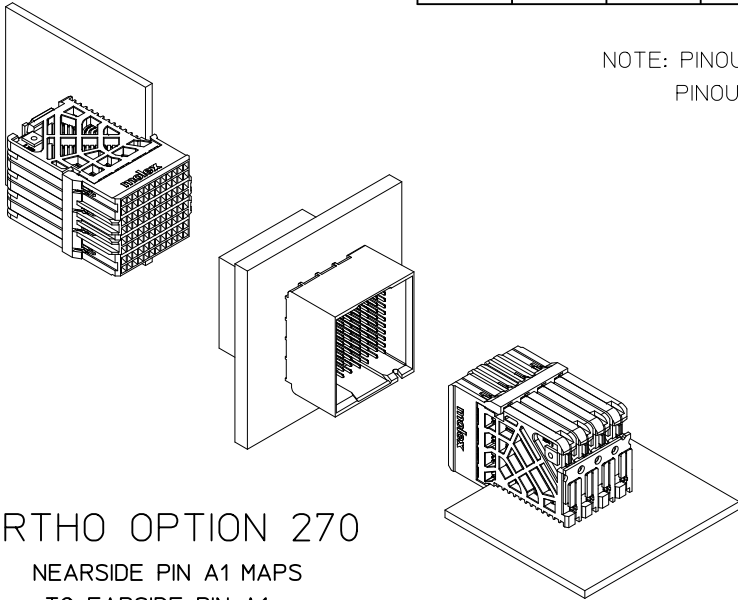
|                                                                                                    |             |                 |                                                            |        |       |                            |                    |                                                                                                                                  |                        |                                                                                                                 |  |           |
|----------------------------------------------------------------------------------------------------|-------------|-----------------|------------------------------------------------------------|--------|-------|----------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|--|-----------|
| SEE SHEET 1<br>EC NO: UCP2013-0786<br>2012/08/24<br>DRAWN: GGA<br>CHKD:<br>APPR: TEL<br>2012/12/10 | DESCRIPTION | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |        |       | DIMENSION STYLE<br>MM ONLY |                    | SCALE<br>4:1                                                                                                                     | DESIGN UNITS<br>METRIC |  THIRD ANGLE<br>PROJECTION |  |           |
|                                                                                                    |             |                 |                                                            | mm     | INCH  | DRAWN BY<br>JLAURX         | DATE<br>4/20/09    | TITLE<br>IMPACT 6 PAIR HEADER<br>ORTHOGONAL ASSEMBLY<br>UNGUIDED SALES DRAWING<br><br><b>molex</b>                               |                        |                                                                                                                 |  |           |
|                                                                                                    |             |                 | 4 PLACES                                                   | ± ---  | ± --- | CHECKED BY<br>JMENDOZA     | DATE<br>2010/01/13 |                                                                                                                                  |                        |                                                                                                                 |  |           |
|                                                                                                    |             |                 | 3 PLACES                                                   | ± ---  | ± --- | APPROVED BY<br>JB INGHAM   | DATE<br>2010/01/14 |                                                                                                                                  |                        |                                                                                                                 |  |           |
|                                                                                                    |             |                 | 2 PLACES                                                   | ± 0.13 | ± --- |                            |                    |                                                                                                                                  |                        |                                                                                                                 |  |           |
|                                                                                                    |             |                 | 1 PLACE                                                    | ± 0.25 | ± --- |                            |                    |                                                                                                                                  |                        |                                                                                                                 |  |           |
|                                                                                                    |             |                 | 0 PLACE                                                    | ±      | ±     |                            |                    |                                                                                                                                  |                        |                                                                                                                 |  |           |
|                                                                                                    |             |                 | ANGULAR ±1/2°                                              |        |       | MATERIAL NO.               |                    | DOCUMENT NO.                                                                                                                     |                        |                                                                                                                 |  | SHEET NO. |
|                                                                                                    |             |                 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        |       | SEE CHART                  |                    | SD-76285-001                                                                                                                     |                        |                                                                                                                 |  | 2 OF 4    |
|                                                                                                    |             |                 |                                                            |        |       | SIZE<br>C                  |                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                                                                                                                 |  |           |

ORTHO PIN MAPPING

OPTION 270 (NEARSIDE - FARSIDE)

|          |          |          |          |          |          |          |          |          |           |           |           |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| (A1-A1)  | A2-B1    | (A3-D1)  | A4-E1    | (A5-G1)  | A6-H1    | (A7-K1)  | A8-L1    | (A9-N1)  | A10-P1    | (A11-R1)  | A12-S1    |
| B1-A2    | B2-C1    | B3-D2    | B4-F1    | B5-G2    | B6-J1    | B7-K2    | B8-M1    | B9-N2    | B10-Q1    | B11-R2    | B12-T1    |
| C1-B2    | (C2-C2)  | C3-E2    | (C4-F2)  | C5-H2    | (C6-J2)  | C7-L2    | (C8-M2)  | C9-P2    | (C10-Q2)  | C11-S2    | (C12-T2)  |
| (D1-A3)  | D2-B3    | (D3-D3)  | D4-E3    | (D5-G3)  | D6-H3    | (D7-K3)  | D8-L3    | (D9-N3)  | D10-P3    | (D11-R3)  | D12-S3    |
| E1-A4    | E2-C3    | E3-D4    | E4-F3    | E5-G4    | E6-J3    | E7-K4    | E8-M3    | E9-N4    | E10-Q3    | E11-R4    | E12-T3    |
| F1-B4    | (F2-C4)  | F3-E4    | (F4-F4)  | F5-H4    | (F6-J4)  | F7-L4    | (F8-M4)  | F9-P4    | (F10-Q4)  | F11-S4    | (F12-T4)  |
| (G1-A5)  | G2-B5    | (G3-D5)  | G4-E5    | (G5-G5)  | G6-H5    | (G7-K5)  | G8-L5    | (G9-N5)  | G10-P5    | (G11-R5)  | G12-S5    |
| H1-A6    | H2-C5    | H3-D6    | H4-F5    | H5-G6    | H6-J5    | H7-K6    | H8-M5    | H9-N6    | H10-Q5    | H11-R6    | H12-T5    |
| J1-B6    | (J2-C6)  | J3-E6    | (J4-F6)  | J5-H6    | (J6-J6)  | J7-L6    | (J8-M6)  | J9-P6    | (J10-Q6)  | J11-S6    | (J12-T6)  |
| (K1-A7)  | K2-B7    | (K3-D7)  | K4-E7    | (K5-G7)  | K6-H7    | (K7-K7)  | K8-L7    | (K9-N7)  | K10-P7    | (K11-R7)  | K12-S7    |
| L1-A8    | L2-C7    | L3-D8    | L4-F7    | L5-G8    | L6-J7    | L7-K8    | L8-M7    | L9-N8    | L10-Q7    | L11-R8    | L12-T7    |
| M1-B8    | (M2-C8)  | M3-E8    | (M4-F8)  | M5-H8    | (M6-J8)  | M7-L8    | (M8-M8)  | M9-P8    | (M10-Q8)  | M11-S8    | (M12-T8)  |
| (N1-A9)  | N2-B9    | (N3-D9)  | N4-E9    | (N5-G9)  | N6-H9    | (N7-K9)  | N8-L9    | (N9-N9)  | N10-P9    | (N11-R9)  | N12-S9    |
| P1-A10   | P2-C9    | P3-D10   | P4-F9    | P5-G10   | P6-J9    | P7-K10   | P8-M9    | P9-N10   | P10-Q9    | P11-R10   | P12-T9    |
| Q1-B10   | (Q2-C10) | Q3-E10   | (Q4-F10) | Q5-H10   | (Q6-J10) | Q7-L10   | (Q8-M10) | Q9-P10   | (Q10-Q10) | Q11-S10   | (Q12-T10) |
| (R1-A11) | R2-B11   | (R3-D11) | R4-E11   | (R5-G11) | R6-H11   | (R7-K11) | R8-L11   | (R9-N11) | R10-P11   | (R11-R11) | R12-S11   |
| S1-A12   | S2-C11   | S3-D12   | S4-F11   | S5-G12   | S6-J11   | S7-K12   | S8-M11   | S9-N12   | S10-Q11   | S11-R12   | S12-T11   |
| T1-B12   | (T2-C12) | T3-E12   | (T4-F12) | T5-H12   | (T6-J12) | T7-L12   | (T8-M12) | T9-P12   | (T10-Q12) | T11-S12   | (T12-T12) |

NOTE: PINOUTS SHOWN IN BALLOONS ARE GROUNDS.  
PINOUTS SHOWN ARE FOR SQUARE (12 COLUMN) PATTERN ONLY.



ORTHO OPTION 270  
NEARSIDE PIN A1 MAPS  
TO FAR SIDE PIN A1

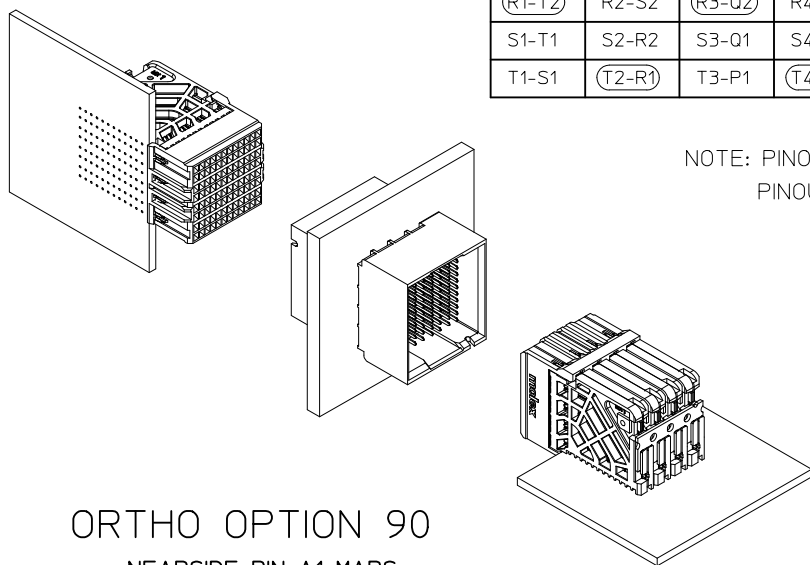
|                                                                                                  |             |                                                                 |                                                                                                                                  |        |           |                                                  |                     |                                                                                                |                        |                                                                                                                 |
|--------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------|-----------|--------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|
| SEE SHEET 1<br>EC NO: UCP2013-0786<br>2012/08/24<br>DRWN:GGA<br>CHKD:<br>APPR:TELO<br>2012/12/10 | DESCRIPTION | QUALITY SYMBOLS<br><div>▽=0</div> <div>▽=0</div> <div>▽=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                            |        |           | DIMENSION STYLE<br>MM ONLY                       |                     | SCALE<br>8:1                                                                                   | DESIGN UNITS<br>METRIC |  THIRD ANGLE<br>PROJECTION |
|                                                                                                  |             |                                                                 |                                                                                                                                  | mm     | INCH      | DRAWN BY<br>JLAURX                               | DATE<br>4/20/09     | TITLE<br>IMPACT 6 PAIR HEADER<br>ORTHOGONAL ASSEMBLY<br>UNGUIDED SALES DRAWING<br><b>molex</b> |                        |                                                                                                                 |
|                                                                                                  |             |                                                                 | 4 PLACES                                                                                                                         | ± ---  | ± ---     | CHECKED BY<br>JMENDOZA                           | DATE<br>2010/01/13  |                                                                                                |                        |                                                                                                                 |
|                                                                                                  |             |                                                                 | 3 PLACES                                                                                                                         | ± ---  | ± ---     | APPROVED BY<br>JB INGHAM                         | DATE<br>2010/01/14  |                                                                                                |                        |                                                                                                                 |
|                                                                                                  |             |                                                                 | 2 PLACES                                                                                                                         | ± 0.13 | ± ---     | MATERIAL NO.<br><br>DOCUMENT NO.<br>SD-76285-001 |                     |                                                                                                |                        |                                                                                                                 |
|                                                                                                  |             |                                                                 | 1 PLACE                                                                                                                          | ± 0.25 | ± ---     |                                                  |                     |                                                                                                |                        |                                                                                                                 |
|                                                                                                  |             |                                                                 | 0 PLACE                                                                                                                          | ±      | ±         |                                                  |                     |                                                                                                |                        |                                                                                                                 |
| ANGULAR ±1/2°                                                                                    |             |                                                                 | SIZE<br>C                                                                                                                        |        | SEE CHART |                                                  | SHEET NO.<br>3 OF 4 |                                                                                                |                        |                                                                                                                 |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                       |             |                                                                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |        |           |                                                  |                     |                                                                                                |                        |                                                                                                                 |

# ORTHO PIN MAPPING

## OPTION 90 (NEAR SIDE - FAR SIDE)

|          |          |          |          |          |          |          |          |          |           |           |           |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| (A1-T12) | A2-S12   | (A3-Q12) | A4-P12   | (A5-M12) | A6-L12   | (A7-J12) | A8-H12   | (A9-F12) | A10-E12   | (A11-C12) | A12-B12   |
| B1-T11   | B2-R12   | B3-Q11   | B4-N12   | B5-M11   | B6-K12   | B7-J11   | B8-G12   | B9-F11   | B10-D12   | B11-C11   | B12-A12   |
| C1-S11   | (C2-R11) | C3-P11   | (C4-N11) | C5-L11   | (C6-K11) | C7-H11   | (C8-G11) | C9-E11   | (C10-D11) | C11-B11   | (C12-A11) |
| (D1-T10) | D2-S10   | (D3-Q10) | D4-P10   | (D5-M10) | D6-L10   | (D7-J10) | D8-H10   | (D9-F10) | D10-E10   | (D11-C10) | D12-B10   |
| E1-T9    | E2-R10   | E3-Q9    | E4-N10   | E5-M9    | E6-K10   | E7-J9    | E8-G10   | E9-F9    | E10-D10   | E11-C9    | E12-A10   |
| F1-S9    | (F2-R9)  | F3-P9    | (F4-N9)  | F5-L9    | (F6-K9)  | F7-H9    | (F8-G9)  | F9-E9    | (F10-D9)  | F11-B9    | (F12-A9)  |
| (G1-T8)  | G2-S8    | (G3-Q8)  | G4-P8    | (G5-M8)  | G6-L8    | (G7-J8)  | G8-H8    | (G9-F8)  | G10-E8    | (G11-C8)  | G12-B8    |
| H1-T7    | H2-R8    | H3-Q7    | H4-N8    | H5-M7    | H6-K8    | H7-J7    | H8-G8    | H9-F7    | H10-D8    | H11-C7    | H12-A8    |
| J1-S7    | (J2-R7)  | J3-P7    | (J4-N7)  | J5-L7    | (J6-K7)  | J7-H7    | (J8-G7)  | J9-E7    | (J10-D7)  | J11-B7    | (J12-A7)  |
| (K1-T6)  | K2-S6    | (K3-Q6)  | K4-P6    | (K5-M6)  | K6-L6    | (K7-J6)  | K8-H6    | (K9-F6)  | K10-E6    | (K11-C6)  | K12-B6    |
| L1-T5    | L2-R6    | L3-Q5    | L4-N6    | L5-M5    | L6-K6    | L7-J5    | L8-G6    | L9-F5    | L10-D6    | L11-C5    | L12-A6    |
| M1-S5    | (M2-R5)  | M3-P5    | (M4-N5)  | M5-L5    | (M6-K5)  | M7-H5    | (M8-G5)  | M9-E5    | (M10-D5)  | M11-B5    | (M12-A5)  |
| (N1-T4)  | N2-S4    | (N3-Q4)  | N4-P4    | (N5-M4)  | N6-L4    | (N7-J4)  | N8-H4    | (N9-F4)  | N10-E4    | (N11-C4)  | N12-B4    |
| P1-T3    | P2-R4    | P3-Q3    | P4-N4    | P5-M3    | P6-K4    | P7-J3    | P8-G4    | P9-F3    | P10-D4    | P11-C3    | P12-A4    |
| Q1-S3    | (Q2-R3)  | Q3-P3    | (Q4-N3)  | Q5-L3    | (Q6-K3)  | Q7-H3    | (Q8-G3)  | Q9-E3    | (Q10-D3)  | Q11-B3    | (Q12-A3)  |
| (R1-T2)  | R2-S2    | (R3-Q2)  | R4-P2    | (R5-M2)  | R6-L2    | (R7-J2)  | R8-H2    | (R9-F2)  | R10-E2    | (R11-C2)  | R12-B2    |
| S1-T1    | S2-R2    | S3-Q1    | S4-N2    | S5-M1    | S6-K2    | S7-J1    | S8-G2    | S9-F1    | S10-D2    | S11-C1    | S12-A2    |
| T1-S1    | (T2-R1)  | T3-P1    | (T4-N1)  | T5-L1    | (T6-K1)  | T7-H1    | (T8-G1)  | T9-E1    | (T10-D1)  | T11-B1    | (T12-A1)  |

NOTE: PINOUTS SHOWN IN BALLOONS ARE GROUNDS.  
PINOUTS SHOWN ARE FOR SQUARE (12 COLUMN) PATTERN ONLY.



ORTHO OPTION 90  
NEAR SIDE PIN A1 MAPS  
TO FAR SIDE PIN T12  
(FOR SQUARE PATTERN)

|                                                                                                    |             |                                                                 |                                       |          |                            |                                                                                                                               |                        |                                                                                |                                                     |  |  |  |                     |
|----------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------|---------------------------------------|----------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------|-----------------------------------------------------|--|--|--|---------------------|
| SEE SHEET 1<br>EC NO: UCP2013-0786<br>2012/08/24<br>DRAWN: GGA<br>CHKD:<br>APPR: TEL<br>2012/12/10 | DESCRIPTION | QUALITY SYMBOLS<br><div>▽=0</div> <div>▽=0</div> <div>▽=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED) |          | DIMENSION STYLE<br>MM ONLY |                                                                                                                               | SCALE<br>4:1           | DESIGN UNITS<br>METRIC                                                         | THIRD ANGLE PROJECTION<br><div>☉</div> <div>☐</div> |  |  |  |                     |
|                                                                                                    |             |                                                                 | 4 PLACES                              | mm       | INCH                       | DRAWN BY<br>JLAURX                                                                                                            | DATE<br>4/20/09        | TITLE<br>IMPACT 6 PAIR HEADER<br>ORTHOGONAL ASSEMBLY<br>UNGUIDED SALES DRAWING |                                                     |  |  |  |                     |
|                                                                                                    |             |                                                                 |                                       | 3 PLACES | ± ---                      | ± ---                                                                                                                         | CHECKED BY<br>JMENDOZA |                                                                                |                                                     |  |  |  | DATE<br>2010/01/13  |
|                                                                                                    |             |                                                                 | 2 PLACES                              | ± 0.13   | ± ---                      | APPROVED BY<br>JB INGHAM                                                                                                      | DATE<br>2010/01/14     | DOCUMENT NO.<br>SD-76285-001                                                   |                                                     |  |  |  |                     |
|                                                                                                    |             |                                                                 | 1 PLACE                               | ± 0.25   | ± ---                      | MATERIAL NO.<br>SEE CHART                                                                                                     |                        |                                                                                |                                                     |  |  |  | SHEET NO.<br>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 |                        |                                                                                |                                                     |  |  |  |                     |
|                                                                                                    |             |                                                                 | DRAFT WHERE APPLICABLE                |          |                            |                                                                                                                               |                        |                                                                                |                                                     |  |  |  |                     |
|                                                                                                    |             |                                                                 | MUST REMAIN WITHIN DIMENSIONS         |          |                            |                                                                                                                               |                        |                                                                                |                                                     |  |  |  |                     |