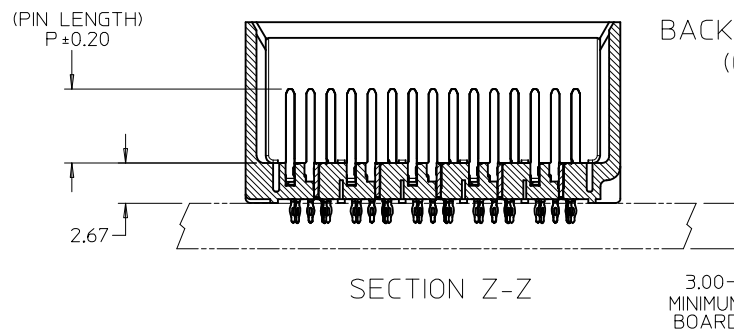
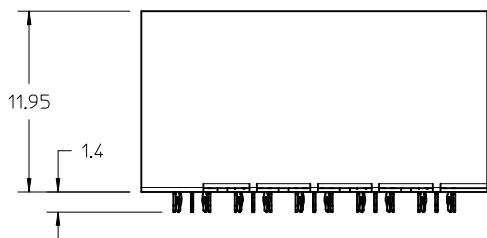
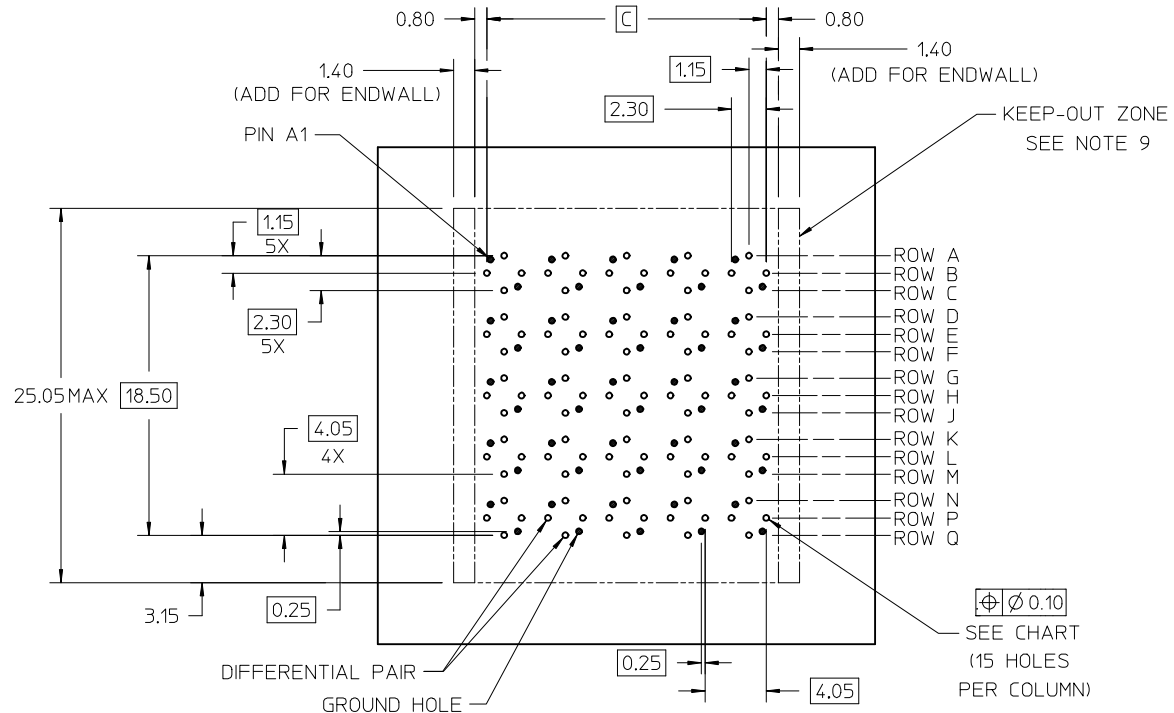
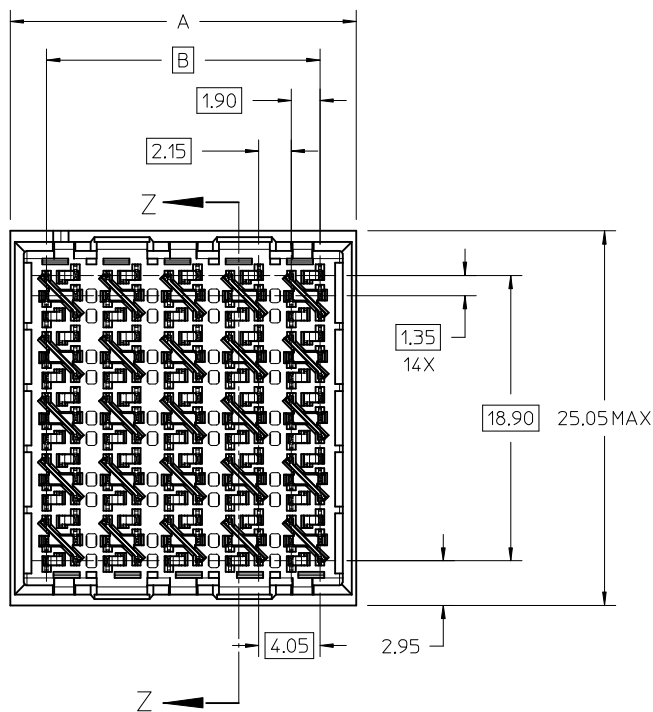
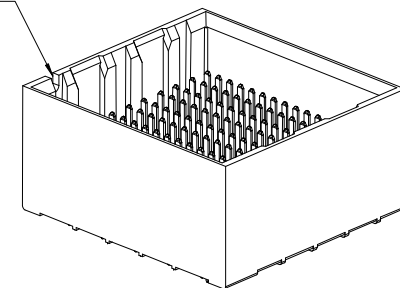




BACKPLANE HOLE PATTERN
(CONNECTOR SIDE)

NOTCH
DESIGNATES
ROW A



(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-70873-7707.
6. SEE SHEETS 2 THRU 4 FOR PART NUMBERS AND ORTHOGONAL PIN MAPPING.
7. REFER TO MOLEX SALES DRAWING SD-76990-001 FOR THE MATING RECEPTACLES.
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		EC NO: UCP2013-0786		2012/08/24		2012/12/10		DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
										▽=0		4 PLACES ± --- ± ---		DRAWN BY JLAURX		DATE 4/28/09		IMPACT 5 PAIR HEADER ORTHOGONAL ASSEMBLY UNGUIDED SALES DRAWING		molex	
								▽=0		3 PLACES ± --- ± ---		CHECKED BY JMENDOZA		DATE 2010/01/13							
								▽=0		2 PLACES ± 0.13 ± ---		APPROVED BY JB INGHAM		DATE 2010/01/14							
										1 PLACE ± 0.25 ± ---		MATERIAL NO.		DOCUMENT NO.							
										0 PLACE ± ±		SEE CHART		SD-76985-001							
												ANGULAR ±1/2°								SHEET NO. 1 OF 4	
												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	

J

I

H

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E

D

C

B

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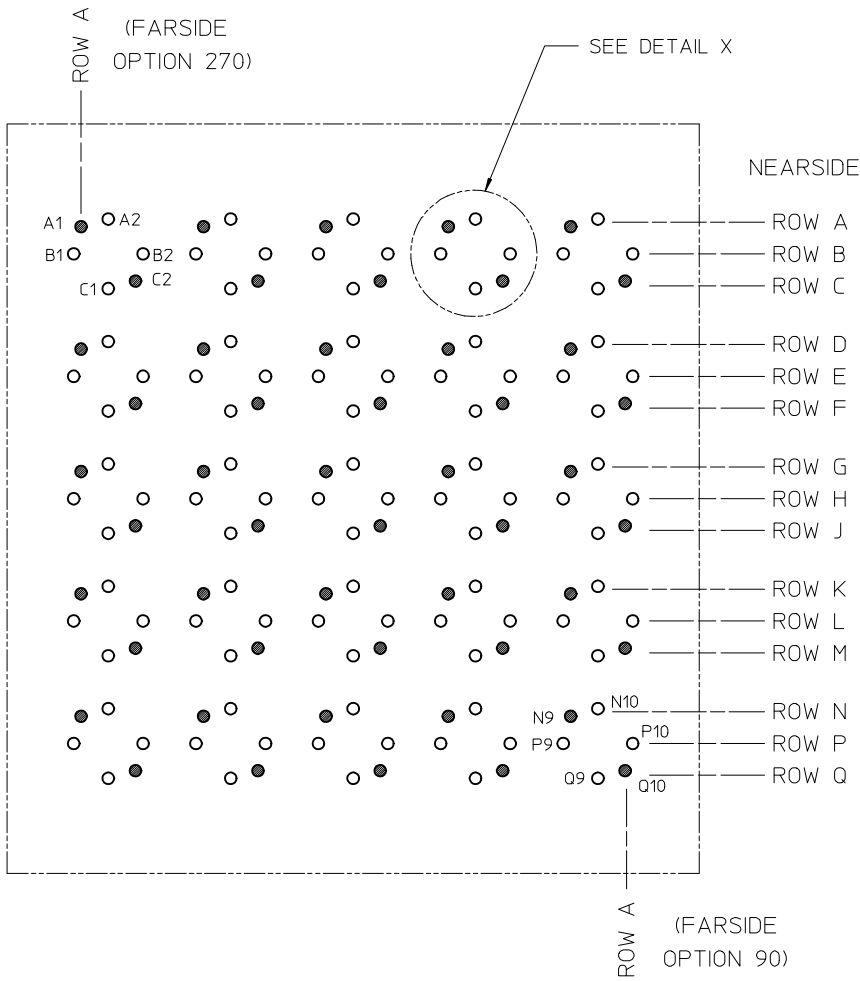
E

D

C

B

A



MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	DIM A	DIM B	DIM C
76985-*80*	8	40	16,1	14,05	14,45
76985-*82*	8	40	18,9	14,05	14,45
76985-*10*	10	50	20,1	18,10	18,50
76985-*12*	10	50	22,9	18,10	18,50
76985-*20*	12	60	24,2	22,15	22,55
76985-*22*	12	60	27,0	22,15	22,55

76985-*****

MODULE & TAIL PLATING TYPE

0 = UNGUIDED, TIN/LEAD

1 = UNGUIDED, TIN

OF COLUMNS

8 = 8 COLUMN

1 = 10 COLUMN

2 = 12 COLUMN

PIN LENGTH (P)

4 = 4.90 (0.46 PTH)

5 = 5.50 (0.46 PTH)

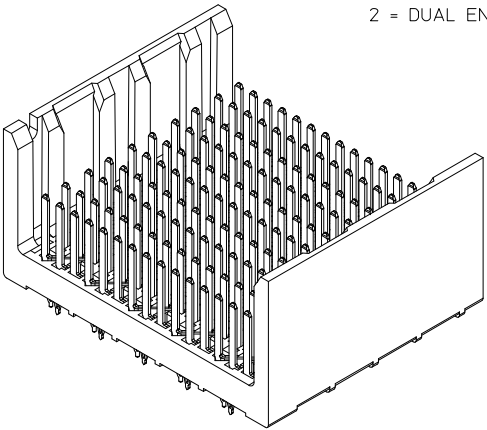
7 = 4.90 (0.39 PTH)

8 = 5.50 (0.39 PTH)

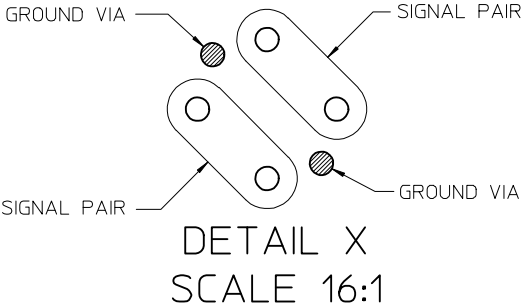
ENDWALL OPTIONS

0 = OPEN ENDS

2 = DUAL ENDWALL



OPEN END OPTION



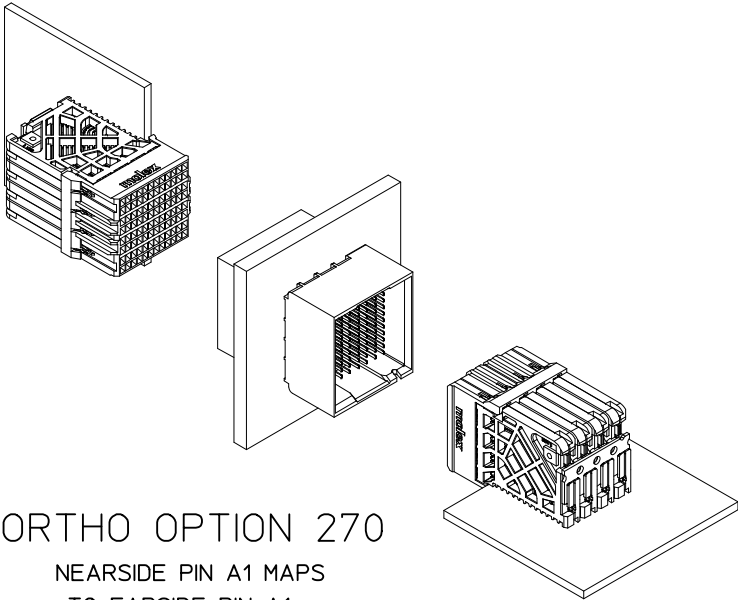
MIDPLANE PCB LAYOUT

SCALE 8:1

SEE SHEET 1 EC NO: UCP2013-0786 2012/08/24 DRAWN: GGA CHKD: APPR: TEL 2012/12/10	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE IMPACT 5 PAIR HEADER ORTHOGONAL ASSEMBLY UNGUIDED SALES DRAWING molex DOCUMENT NO. SD-76985-001 SHEET NO. 2 OF 4						
					mm	INCH	DRAWN BY JLAURX	DATE 4/28/09									
				4 PLACES	± ---	± ---	CHECKED BY JMENDOZA	DATE 2010/01/13									
				3 PLACES	± ---	± ---	APPROVED BY JB INGHAM	DATE 2010/01/14									
				2 PLACES	± 0.13	± ---											
				1 PLACE	± 0.25	± ---	MATERIAL NO.	SIZE C									
				0 PLACE	±	±											
			REV	REV	DESCRIPTION	ANGULAR ±1/2°			SEE CHART								
						DRAFT WHERE APPLICABLE											
						MUST REMAIN											
WITHIN DIMENSIONS																	

ORTHO PIN MAPPING									
OPTION 270 (NEARSIDE - FAR SIDE)									
(A1-A1)	A2-B1	(A3-D1)	A4-E1	(A5-G1)	A6-H1	(A7-K1)	A8-L1	(A9-N1)	A10-P1
B1-A2	B2-C1	B3-D2	B4-F1	B5-G2	B6-J1	B7-K2	B8-M1	B9-N2	B10-Q1
C1-B2	(C2-C2)	C3-E2	(C4-F2)	C5-H2	(C6-J2)	C7-L2	(C8-M2)	C9-P2	(C10-Q2)
(D1-A3)	D2-B3	(D3-D3)	D4-E3	(D5-G3)	D6-H3	(D7-K3)	D8-L3	(D9-N3)	D10-P3
E1-A4	E2-C3	E3-D4	E4-F3	E5-G4	E6-J3	E7-K4	E8-M3	E9-N4	E10-Q3
F1-B4	(F2-C4)	F3-E4	(F4-F4)	F5-H4	(F6-J4)	F7-L4	(F8-M4)	F9-P4	(F10-Q4)
(G1-A5)	G2-B5	(G3-D5)	G4-E5	(G5-G5)	G6-H5	(G7-K5)	G8-L5	(G9-N5)	G10-P5
H1-A6	H2-C5	H3-D6	H4-F5	H5-G6	H6-J5	H7-K6	H8-M5	H9-N6	H10-Q5
J1-B6	(J2-C6)	J3-E6	(J4-F6)	J5-H6	(J6-J6)	J7-L6	(J8-M6)	J9-P6	(J10-Q6)
(K1-A7)	K2-B7	(K3-D7)	K4-E7	(K5-G7)	K6-H7	(K7-K7)	K8-L7	(K9-N7)	K10-P7
L1-A8	L2-C7	L3-D8	L4-F7	L5-G8	L6-J7	L7-K8	L8-M7	L9-N8	L10-Q7
M1-B8	(M2-C8)	M3-E8	(M4-F8)	M5-H8	(M6-J8)	M7-L8	(M8-M8)	M9-P8	(M10-Q8)
(N1-A9)	N2-B9	(N3-D9)	N4-E9	(N5-G9)	N6-H9	(N7-K9)	N8-L9	(N9-N9)	N10-P9
P1-A10	P2-C9	P3-D10	P4-F9	P5-G10	P6-J9	P7-K10	P8-M9	P9-N10	P10-Q9
Q1-B10	(Q2-C10)	Q3-E10	(Q4-F10)	Q5-H10	(Q6-J10)	Q7-L10	(Q8-M10)	Q9-P10	(Q10-Q10)

NOTE: PINOUTS SHOWN IN BALLOONS ARE GROUNDS.
PINOUTS SHOWN ARE FOR SQUARE (10 COLUMN) PATTERN ONLY.



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

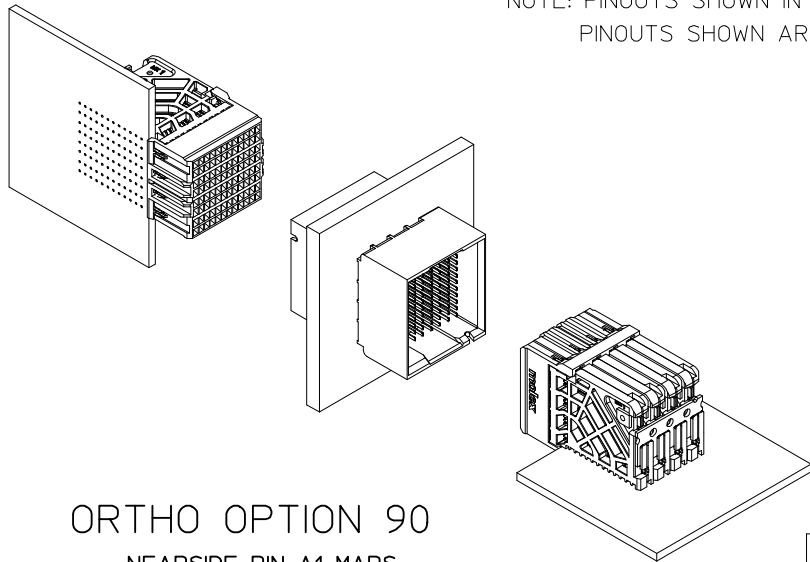
SEE SHEET 1 EC NO.: UCP2013-0786 DRAWING NO.: 2012/08/24 CHKD: APPR:TELO REV: 2012/12/10	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 8:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
		 = 0	4 PLACES	± .---	± .---	DRAWN BY JLAURX	DATE 4/28/09	TITLE IMPACT 5 PAIR HEADER ORTHOGONAL ASSEMBLY UNGUIDED SALES DRAWING molex				
		 = 0	3 PLACES	± .---	± .---	CHECKED BY JMENDOZA	DATE 2010/01/13					
		 = 0	2 PLACES	± 0.13	± .---	APPROVED BY JB INGHAM	DATE 2010/01/14					
			1 PLACE	± 0.25	± .---							
			0 PLACE	±	±							
		ANGULAR ±1/2°			MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART		SD-76985-001		3 OF 4			
					SIZE C	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)

(A1-Q10)	A2-P10	(A3-M10)	A4-L10	(A5-J10)	A6-H10	(A7-F10)	A8-E10	(A9-C10)	A10-B10
B1-Q9	B2-N10	B3-M9	B4-K10	B5-J9	B6-G10	B7-F9	B8-D10	B9-C9	B10-A10
C1-P9	(C2-N9)	C3-L9	(C4-K9)	C5-H9	(C6-G9)	C7-E9	(C8-D9)	C9-B9	(C10-A9)
(D1-Q8)	D2-P8	(D3-M8)	D4-L8	(D5-J8)	D6-H8	(D7-F8)	D8-E8	(D9-C8)	D10-B8
E1-Q7	E2-N8	E3-M7	E4-K8	E5-J7	E6-G8	E7-F7	E8-D8	E9-C7	E10-A8
F1-P7	(F2-N7)	F3-L7	(F4-K7)	F5-H7	(F6-G7)	F7-E7	(F8-D7)	F9-B7	(F10-A7)
(G1-Q6)	G2-P6	(G3-M6)	G4-L6	(G5-J6)	G6-H6	(G7-F6)	G8-E6	(G9-C6)	G10-B6
H1-Q5	H2-N6	H3-M5	H4-K6	H5-J5	H6-G6	H7-F5	H8-D6	H9-C5	H10-A6
J1-P5	(J2-N5)	J3-L5	(J4-K5)	J5-H5	(J6-G5)	J7-E5	(J8-D5)	J9-B5	(J10-A5)
(K1-Q4)	K2-P4	(K3-M4)	K4-L4	(K5-J4)	K6-H4	(K7-F4)	K8-E4	(K9-C4)	K10-B4
L1-Q3	L2-N4	L3-M3	L4-K4	L5-J3	L6-G4	L7-F3	L8-D4	L9-C3	L10-A4
M1-P3	(M2-N3)	M3-L3	(M4-K3)	M5-H3	(M6-G3)	M7-E3	(M8-D3)	M9-B3	(M10-A3)
(N1-Q2)	N2-P2	(N3-M2)	N4-L2	(N5-J2)	N6-H2	(N7-F2)	N8-E2	(N9-C2)	N10-B2
P1-Q1	P2-N2	P3-M1	P4-K2	P5-J1	P6-G2	P7-F1	P8-D2	P9-C1	P10-A2
Q1-P1	(Q2-N1)	Q3-L1	(Q4-K1)	Q5-H1	(Q6-G1)	Q7-E1	(Q8-D1)	Q9-B1	(Q10-A1)

NOTE: PINOUTS SHOWN IN BALLOONS ARE GROUNDS.
PINOUTS SHOWN ARE FOR SQUARE (10 COLUMN) PATTERN ONLY.



ORTHO OPTION 90
NEAR SIDE PIN A1 MAPS
TO FAR SIDE PIN Q10
(FOR SQUARE PATTERN)

SEE SHEET 1 EC NO: UCP2013-0786 2012/08/24 DRWNGGA CHKD: APPR: TELO 2012/12/10	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
					mm	INCH	DRAWN BY JLAURX		DATE 4/28/09		TITLE IMPACT 5 PAIR HEADER ORTHOGONAL ASSEMBLY UNGUIDED SALES DRAWING molex DOCUMENT NO. SD-76985-001 SHEET NO. 4 OF 4	
				4 PLACES	± ---	± ---	CHECKED BY JMENDOZA		DATE 2010/01/13			
				3 PLACES	± ---	± ---	APPROVED BY JB INGHAM		DATE 2010/01/14			
				2 PLACES	± 0.13	± ---						
				1 PLACE	± 0.25	± ---						
				0 PLACE	±	±						
				ANGULAR ±1/2°			MATERIAL NO.					
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART					
							SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			