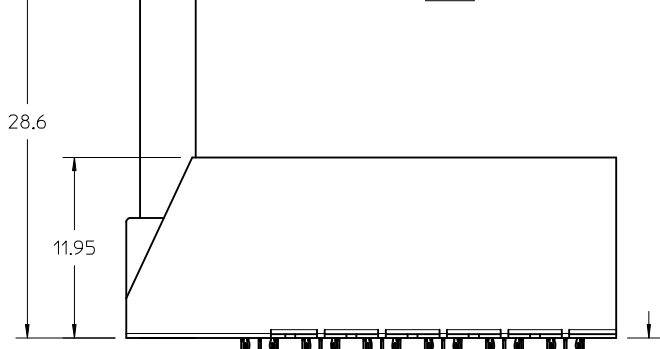
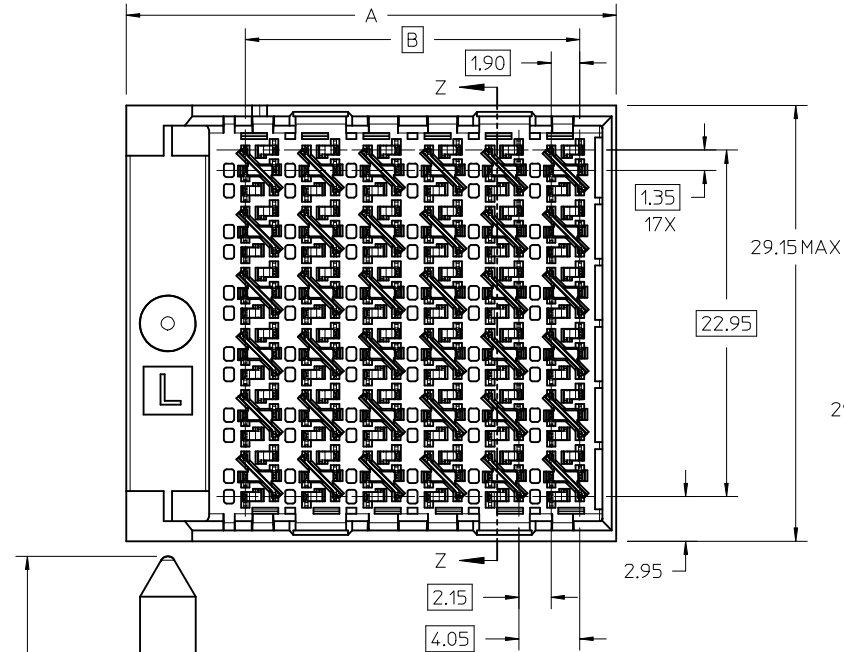
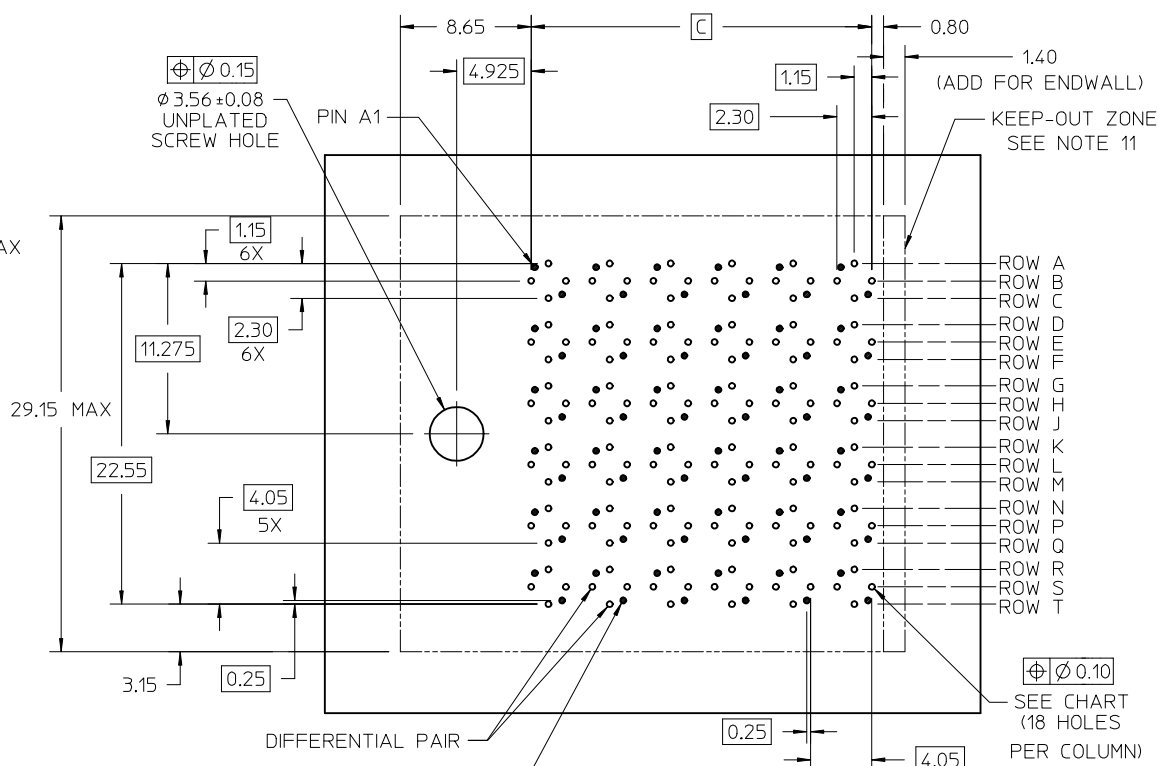
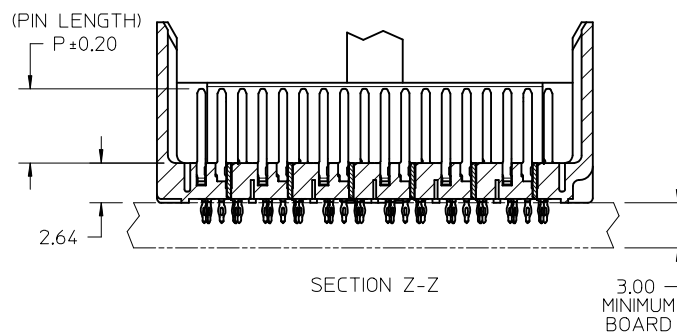




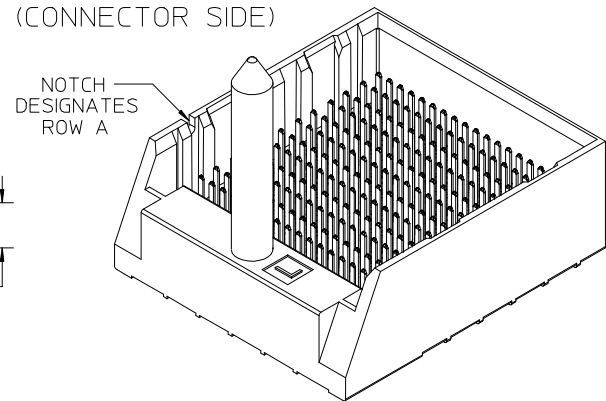
- NOTES:
1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP)
GLASS-FILLED, UL94V-0
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
 2. FINISH: 30μ MIN GOLD IN CONTACT AREA.
SELECTIVE TIN OR TIN-LEAD ON PCB TAILS.
NICKEL OVERALL.
 3. REFER TO MOLEX PRODUCT SPECIFICATION PS-76060-999
FOR PERFORMANCE SPECIFICATIONS AND ADDITIONAL PCB INFORMATION.
 4. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF
COSMETIC SPEC PS-45499-002.
 5. PRODUCT IS PACKAGED PER PK-70873-766.
 6. SEE SHEETS 2 THRU 4 FOR PART NUMBERS AND ORTHOGONAL PIN MAPPING.
 7. REFER TO MOLEX SALES DRAWING SD-76290-002 FOR THE MATING RECEPTACLES.
 8. REFER TO MOLEX ROUTING GUIDE AS-76850-990 FOR ADDITIONAL PCB LAYOUT
AND ROUTING RECOMMENDATIONS.
 9. THE KEEP-OUT ZONE FOR THE PART LENGTH INCLUDES AN ADDITIONAL 1.0mm
TO ACCOMMODATE SPACE REQUIRED BY THE DAUGHTERCARD ASSEMBLY.
 10. CONNECTORS ARE SUPPLIED WITH A 2-56 UNC-2A SCREW.
 11. 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.



BACKPLANE HOLE PATTERN
(CONNECTOR SIDE)



SECTION Z-Z



ENDWALL VERSION SHOWN

REVISE OVERALL HOUSING DIM. EC NO: UCP2013-0786 DRWN:GGA 2012/08/24 CHKD: APPR:TELO 2012/12/10	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 4/20/09	TITLE		
			4 PLACES ± ---	± ---	CHECKED BY JMENDOZA	DATE 2010/01/13	IMPACT 6 PAIR HEADER ORTHOGONAL ASSEMBLY GUIDE LEFT SALES DWG molex			
			3 PLACES ± ---	± ---	APPROVED BY JB INGHAM	DATE 2010/01/14				
			2 PLACES ± 0.13	± ---	MATERIAL NO.	DOCUMENT NO.		SHEET NO. 1 OF 4		
			1 PLACE ± 0.25	± ---	SEE CHART					SD-76285-002
			0 PLACE ± ±	±	SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
ANGULAR ±1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								

J

I

H

G

F

E

D

C

B

A

J

I

H

G

F

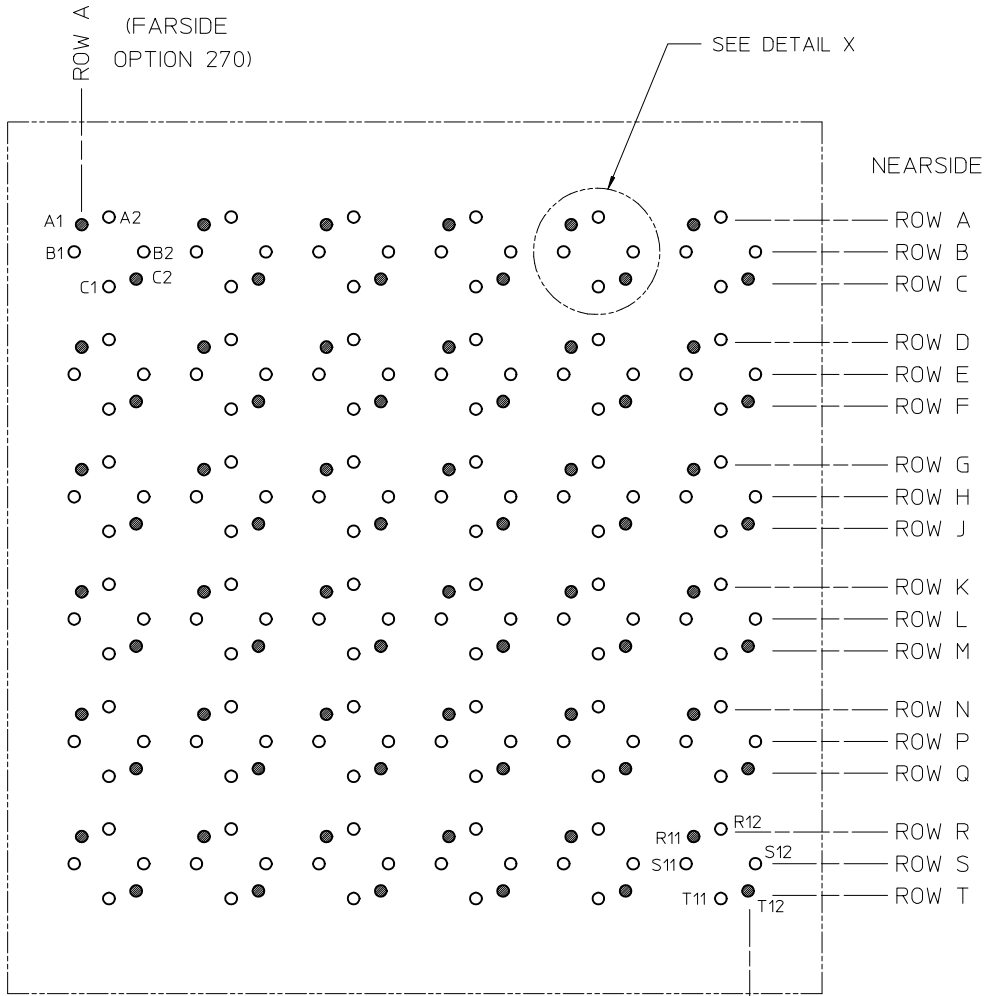
E

D

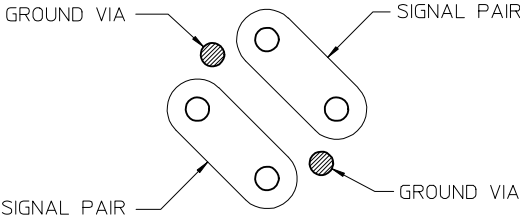
C

B

A



MIDPLANE PCB LAYOUT
SCALE 8:1



DETAIL X
SCALE 16:1

MATERIAL NUMBER	NUMBER OF COLUMNS	NUMBER OF DIFF PAIR	MODULE TYPE	DIM A	DIM B	DIM C
76285- $\times 10 \times$	10	60	NO ENDWALL	27.0	18.10	18.50
76285- $\times 10 \times$	10	60	WITH ENDWALL	28.4	18.10	18.50
76285- $\times 20 \times$	12	72	NO ENDWALL	31.0	22.15	22.55
76285- $\times 20 \times$	12	72	WITH ENDWALL	32.4	22.15	22.55

76285- $\times \times 0 \times$

MODULE & TAIL PLATING TYPE

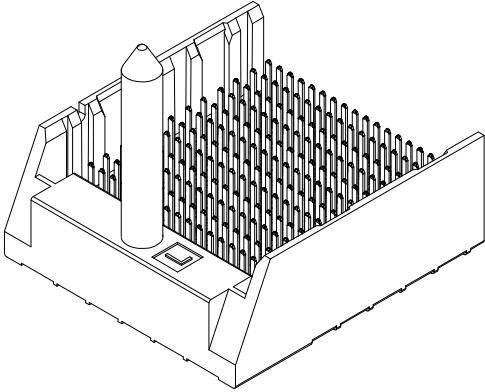
2 = GUIDE LEFT NO ENDWALL, TIN/LEAD
3 = GUIDE LEFT NO ENDWALL, TIN
6 = GUIDE LEFT ENDWALL, TIN/LEAD
7 = GUIDE LEFT ENDWALL, TIN

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



OPEN END OPTION

SEE SHEET 1 EC NO: UCP2013-0786 2012/08/24 DRWN:GGA CHKD: APPR:TELO 2012/12/10	REV D	DESCRIPTION	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
					mm	INCH	DRAWN BY JLAURX	DATE 4/20/09	TITLE IMPACT 6 PAIR HEADER ORTHOGONAL ASSEMBLY GUIDE LEFT SALES DWG molex		
				4 PLACES	± ---	± ---	CHECKED BY JMENDOZA	DATE 2010/01/13			
				3 PLACES	± ---	± ---	APPROVED BY JB INGHAM	DATE 2010/01/14			
				2 PLACES	± 0.13	± ---	MATERIAL NO.			DOCUMENT NO.	SHEET NO.
				1 PLACE	± 0.25	± ---	SEE CHART			SD-76285-002	2 OF 4
0 PLACE	±	±	SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
			ANGULAR ±1/2°								
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								

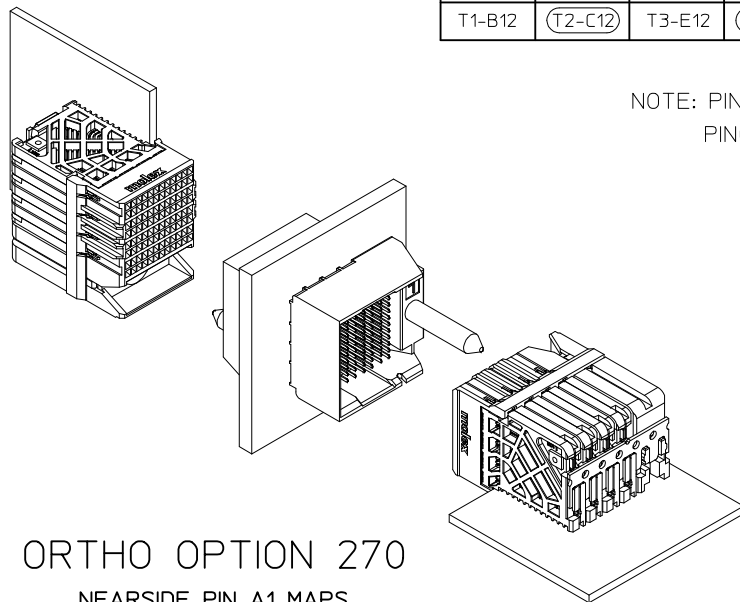
ORTHO PIN MAPPING

OPTION 270 (NEAR SIDE - FAR SIDE)

(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

NEAR SIDE PIN A1 MAPS
TO FAR SIDE PIN A1

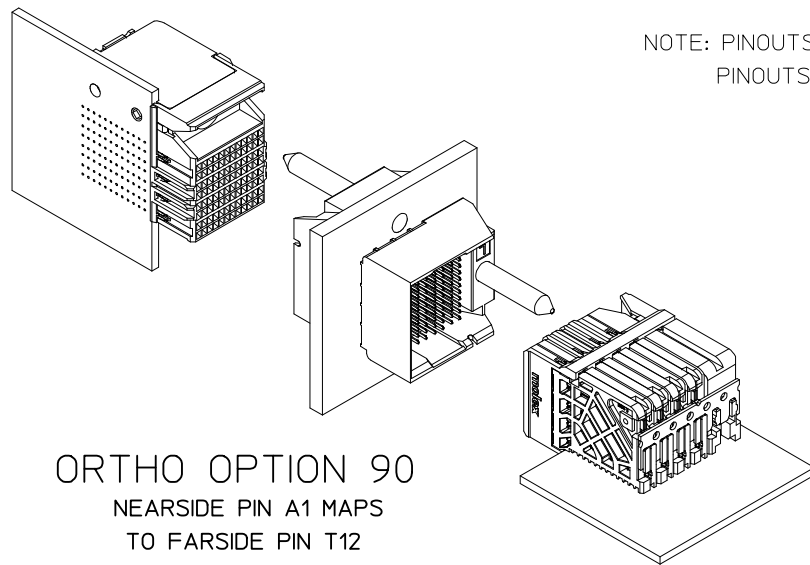
SEE SHEET 1 EC NO: UCP2013-0786 DRWN:GGA CHKD: APPR:TELO	2012/08/24 2012/12/10	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 8:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
					mm	INCH	DRAWN BY JLAURX		DATE 4/20/09	TITLE IMPACT 6 PAIR HEADER ORTHOGONAL ASSEMBLY GUIDE LEFT SALES DWG				
				4 PLACES	± ---	± ---	CHECKED BY JMENDOZA		DATE 2010/01/13					
				3 PLACES	± ---	± ---	APPROVED BY JB INGHAM		DATE 2010/01/14					
				2 PLACES	± 0.13	± ---	MATERIAL NO.		DOCUMENT NO.				SHEET NO. 3 OF 4	
				1 PLACE	± 0.25	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							
				0 PLACE	±	±								
				ANGULAR ±1/2°		SEE CHART								SD-76285-002
				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-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 EC NO: UCP2013-0786 DRWNGGA 2012/08/24 CHKD: APPR: TEL 2012/12/10	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	▽=0 ▽=0 ▽=0	mm		INCH		DRAWN BY JLAURX		DATE 4/20/09	
		4 PLACES ± ---		± ---		CHECKED BY JMENDOZA		DATE 2010/01/13	
		3 PLACES ± ---		± ---		APPROVED BY JB INGHAM		DATE 2010/01/14	
		2 PLACES ± 0.13		± ---		MATERIAL NO.		DOCUMENT NO.	
1 PLACE ± 0.25		± ---		ANGULAR ±1/2°		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 4 OF 4	
0 PLACE ±		±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-76285-002	