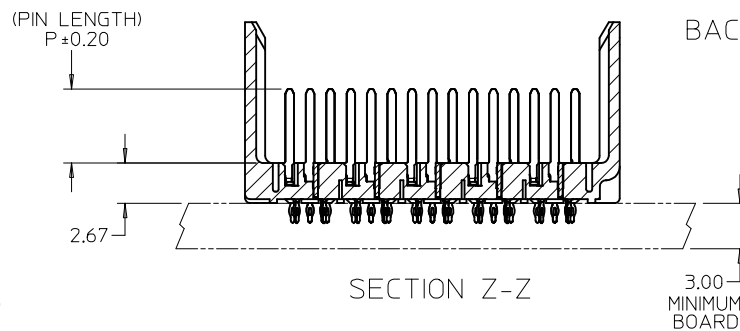
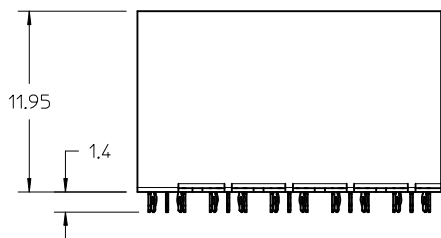
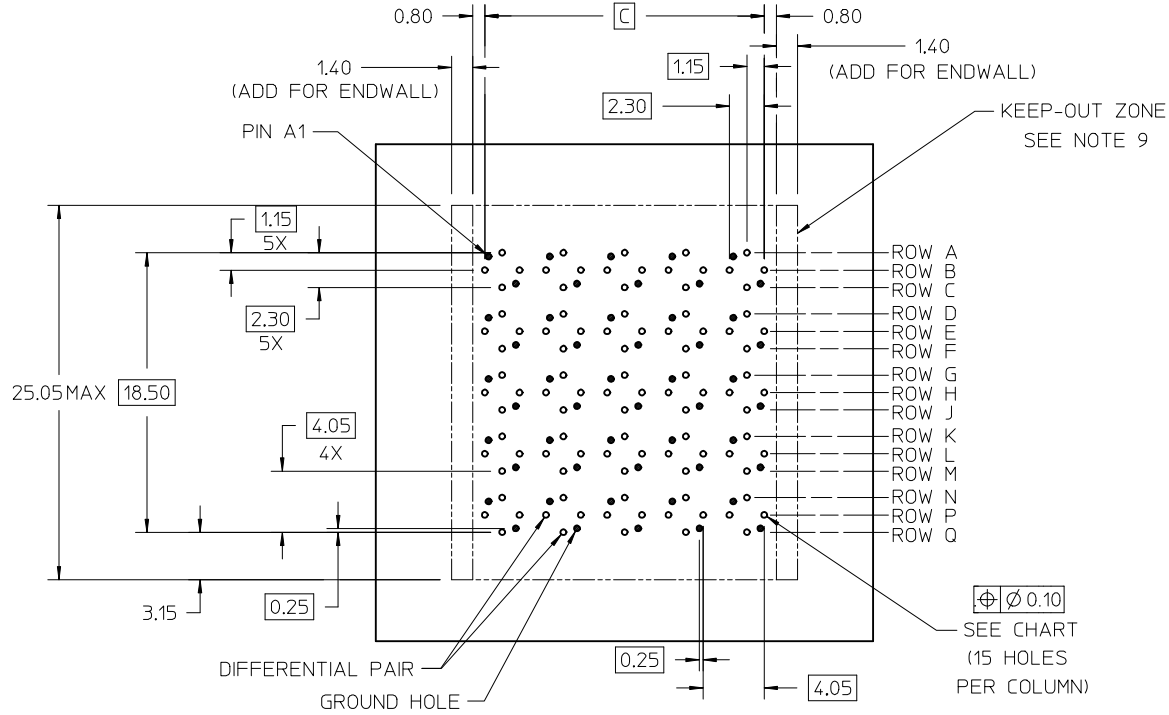
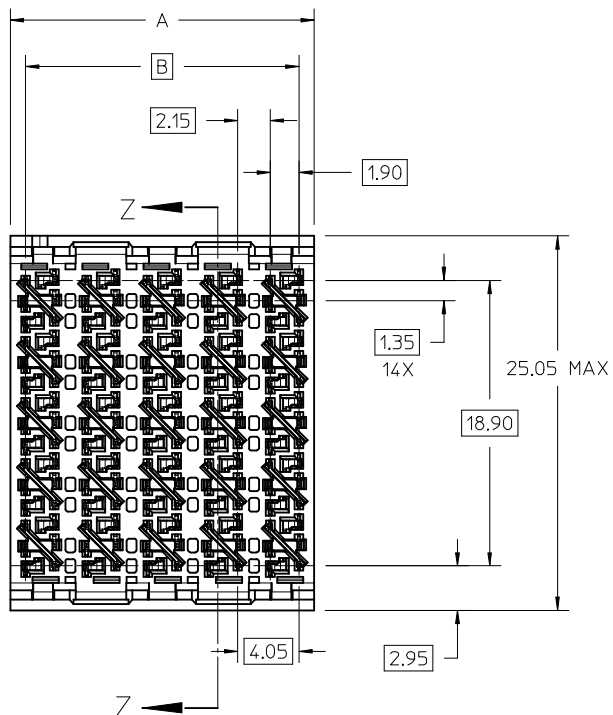
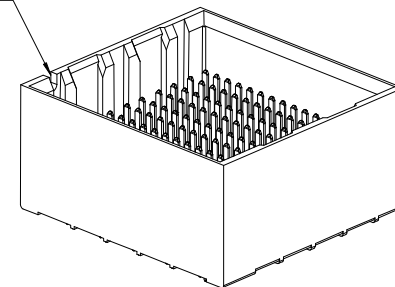




BACKPLANE HOLE PATTERN
(CONNECTOR SIDE)

NOTCH
DESIGNATES
ROW A



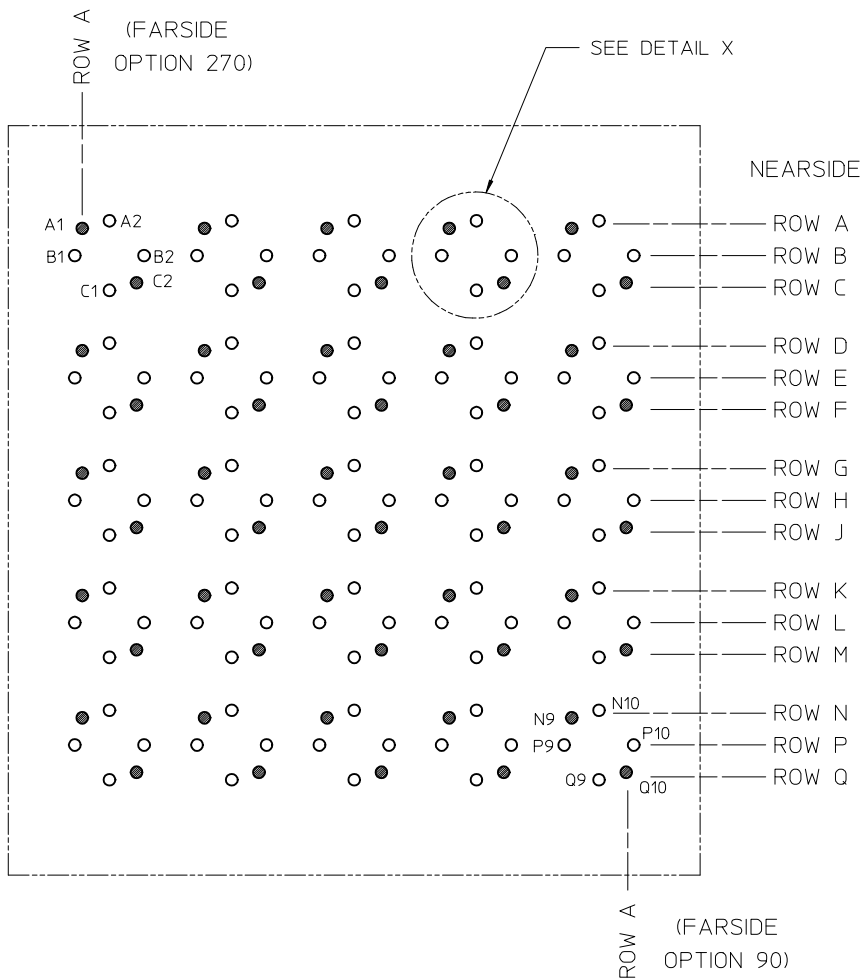
(DUAL ENDWALL SHOWN)

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 MATTE TIN (LEAD-FREE) 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 ACCOMODATE CONNECTOR
INSERTION AND REPAIR ON THE PC BOARD. THIS DOES NOT REPRESENT
THE ACTUAL PERIMETER OF THE CONNECTOR.*

INITIAL RELEASE EC NO: UCP2014-2268 DRWN:ARIZV101 2013/03/05 CHKD:TELO 2013/11/22 APPR:TELO 2013/12/04	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
						DRAWN BY ARIZV101		DATE 2013/03/05	TITLE IMPACT 5 PAIR HEADER ORTHOGONAL ASSEMBLY UNGUIDED SALES DRAWING			
			4 PLACES ± --- ± ---			CHECKED BY JMENDOZA		DATE 2013/11/22	molex			
			3 PLACES ± --- ± ---			APPROVED BY TELO		DATE 2013/12/04				
			2 PLACES ± 0.13 ± ---			MATERIAL NO.		DOCUMENT NO.			SHEET NO.	
			1 PLACE ± 0.25 ± ---			SEE CHART		SD-171884-0001			1 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									

13 12 11 10 9 8 7 6 5 4 3 2 1



MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	DIM A	DIM B	DIM C
171884-180*	8	40	16.1	14.05	14.45
171884-182*	8	40	18.9	14.05	14.45
171884-110*	10	50	20.1	18.10	18.50
171884-112*	10	50	22.9	18.10	18.50
171884-120*	12	60	24.2	22.15	22.55
171884-122*	12	60	27.0	22.15	22.55

171884-1***

MODULE & TAIL PLATING TYPE

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)

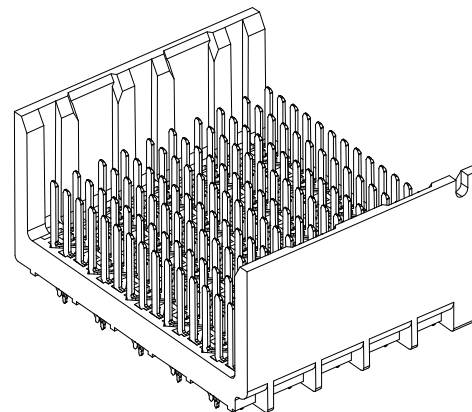
7 = 4.90 (0.39 PTH)

8 = 5.50 (0.39 PTH)

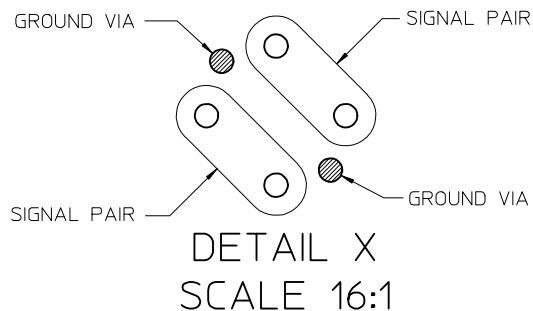
ENDWALL OPTIONS

0 = OPEN ENDS

2 = DUAL ENDWALL



OPEN END OPTION

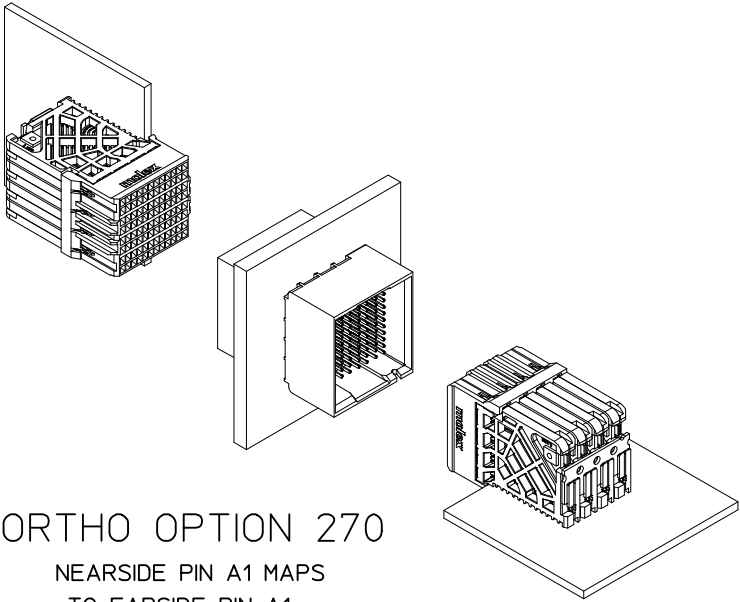


SEE SHEET 1 EC NO: UCP2014-2268 2013/03/05 DRAWN: ARIZV101 2013/11/22 CHKD: TEL0 2013/12/04 APPR: TEL0	REV A	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION ⊙ ⏏			
							DRAWN BY ARIZV101		DATE 2013/03/05		TITLE IMPACT 5 PAIR HEADER ORTHOGONAL ASSEMBLY UNGUIDED SALES DRAWING molex DOCUMENT NO. SD-171884-0001 SHEET NO. 2 OF 4			
							CHECKED BY JMENDOZA		DATE 2013/11/22					
							APPROVED BY TELO		DATE 2013/12/04					
							MATERIAL NO.							
							SEE CHART							
							SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

12 11 10 9 8 7 6 5 4 3 2 1

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
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.



ORTHOD OPTION 270
NEAR SIDE PIN A1 MAPS
TO FAR SIDE PIN A1

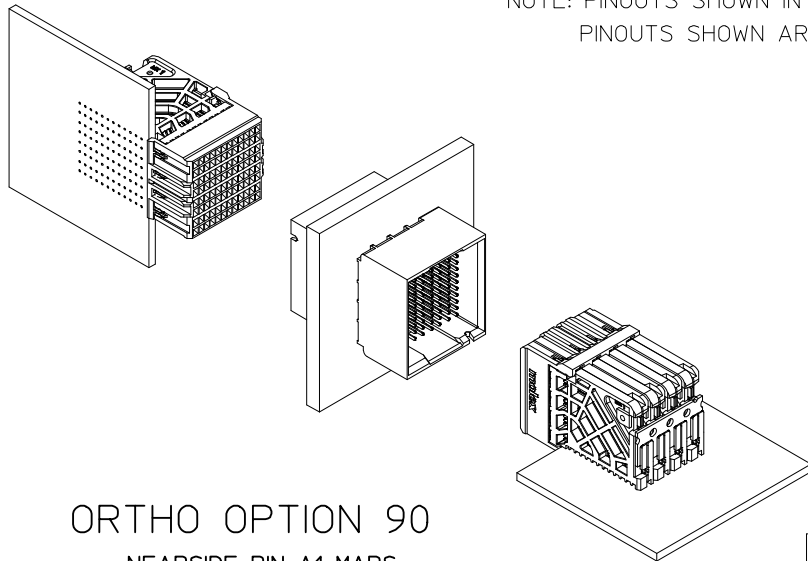
SEE SHEET 1 EC NO: UCP2014-2268 DRAWN: ARIZV101 CHKD: TELO APPR: TELO	DESCRIPTION QUALITY SYMBOLS	REV A	GENERAL TOLERANCES (UNLESS SPECIFIED)	mm		INCH		DRAWN BY DATE		TITLE		SCALE 8:1		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
				4 PLACES ± --- ± ---		ARIZV101 2013/03/05		IMPACT 5 PAIR HEADER ORTHOGONAL ASSEMBLY UNGUIDED SALES DRAWING molex									
				3 PLACES ± --- ± ---		CHECKED BY DATE											
				2 PLACES ± 0.13 ± ---		JMENDOZA 2013/11/22											
				1 PLACE ± 0.25 ± ---		APPROVED BY DATE		SD-171884-0001									
				0 PLACE ± ±		TELO 2013/12/04											
				ANGULAR ±1/2°		MATERIAL NO.								DOCUMENT NO.		SHEET NO.	
				DRAFT WHERE APPLICABLE		SEE CHART		3 OF 4									
				MUST REMAIN WITHIN DIMENSIONS		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)

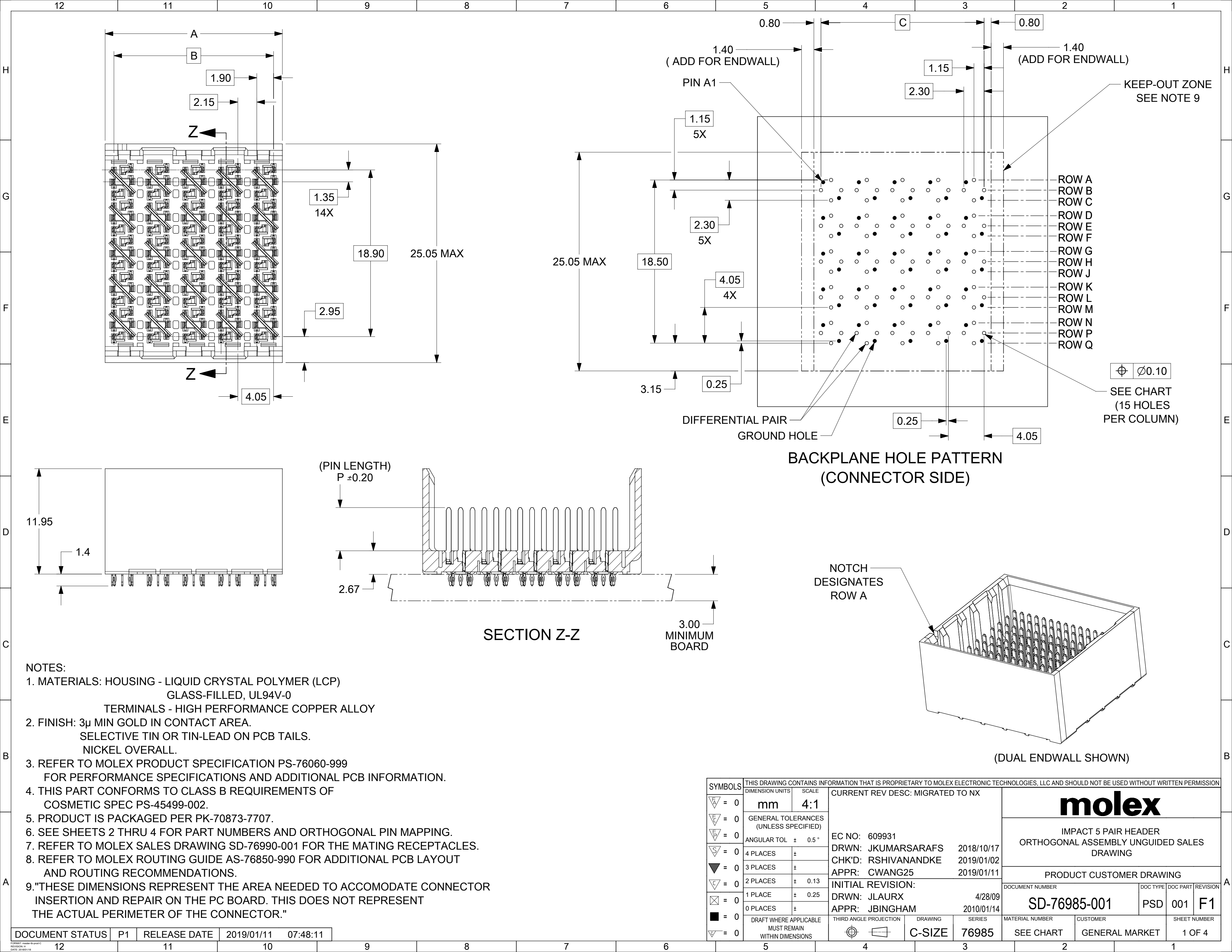
NOTE: PINOUTS SHOWN IN BALLOONS ARE GROUNDS.
PINOUTS SHOWN ARE FOR SQUARE (10 COLUMN) PATTERN ONLY.



ORTHO OPTION 90

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

SEE SHEET 1 EC NO: UCP2014-2268 DRWN: ARIZV101 2013/03/05 CHKD: TELO 2013/11/22 APPR: TELO 2013/12/04	REV A	DESCRIPTION QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 				
			4 PLACES	mm	INCH	DRAWN BY ARIZV101	DATE 2013/03/05	TITLE IMPACT 5 PAIR HEADER ORTHOGONAL ASSEMBLY UNGUIDED SALES DRAWING		DOCUMENT NO. SD-171884-0001	SHEET NO. 4 OF 4			
				3 PLACES	mm	INCH	CHECKED BY JMENDOZA					DATE 2013/11/22		
			2 PLACES	± 0.13	± ---	APPROVED BY TELO						DATE 2013/12/04		
			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	±	±									
			ANGULAR ±1/2°											
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE C								

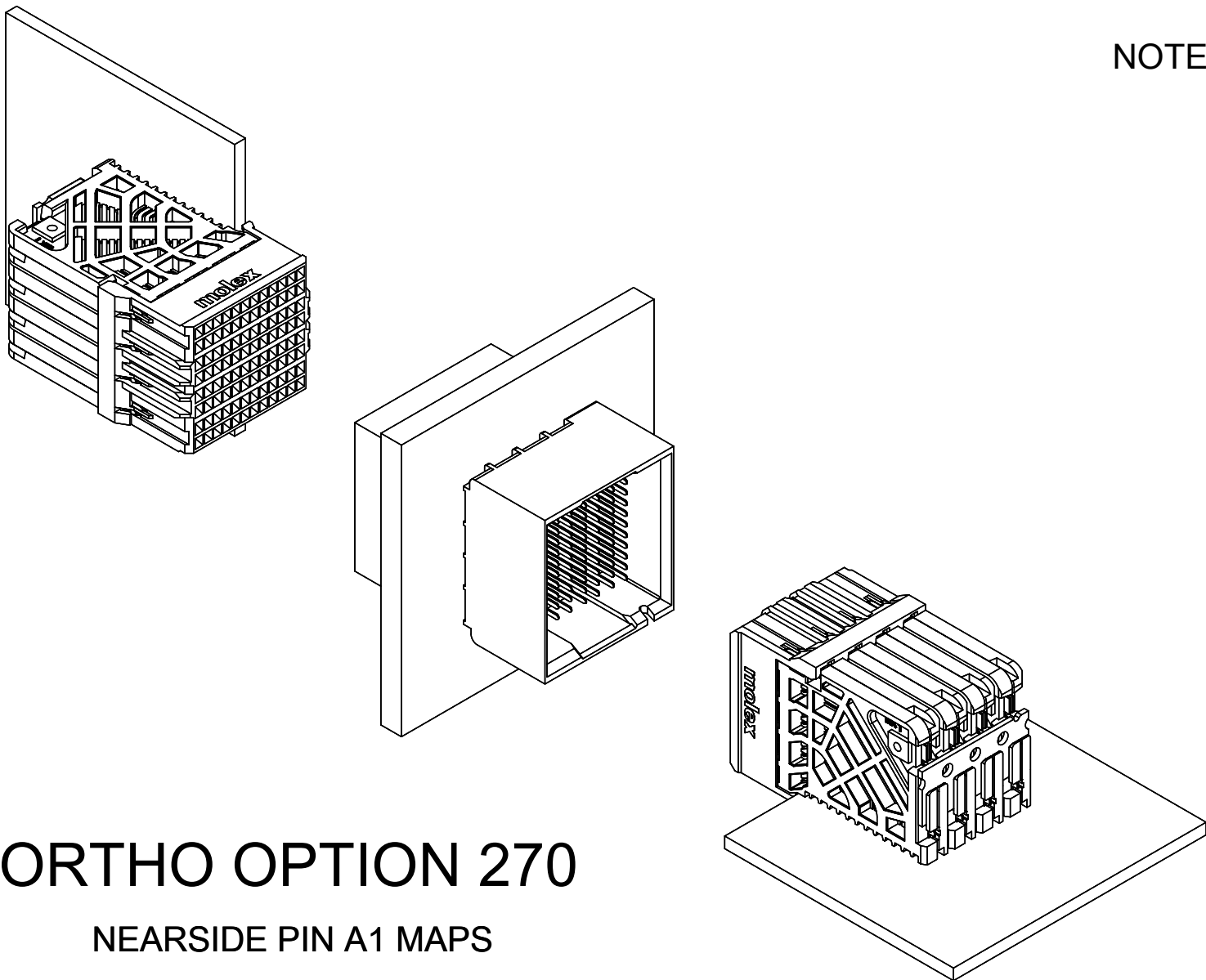


ORTHO PIN MAPPING

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

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
	DIMENSION UNITS		SCALE		CURRENT REV DESC: MIGRATED TO NX			molex IMPACT 5 PAIR HEADER ORTHOGONAL ASSEMBLY UNGUIDED SALES DRAWING								
	mm	8:1														
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 609931 DRWN: JKUMARSARAFS 2018/10/17 CHK'D: RSHIVANANDKE 2019/01/02 APPR: CWANG25 2019/01/11						PRODUCT CUSTOMER DRAWING					
	ANGULAR TOL ± 0.5°															
	4 PLACES ±		INITIAL REVISION: DRWN: JLAURX 4/28/09 APPR: JBINGHAM 2010/01/14			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION						
	3 PLACES ±					SD-76985-001		PSD	001	F1						
	2 PLACES ± 0.13		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
	1 PLACE ± 0.25															
	0 PLACES ±				C-SIZE		76985		SEE CHART		GENERAL MARKET		3 OF 4			

ORTHO PIN MAPPING									
OPTION 90 (NEAR SIDE - FARSIDE)									
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 ARE FOR THE ORTHO OPTION 90. PINOUTS SHOWN FOR THE ORTHO OPTION 90.

ORTH0 OPTION 90

NEARSIDE PIN A1 MAP

DOCUMENT STATUS	P1	RELEASE DATE	2019/01/11	07:48:11
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SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
 = 0	DIMENSION UNITS	SCALE	CURRENT REV DESC: MIGRATED TO NX											
	mm	4:1												
 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)						EC NO: 609931 DRWN: JKUMARSARAFS 2018/10/17 CHK'D: RSHIVANANDKE 2019/01/02 APPR: CWANG25 2019/01/11				IMPACT 5 PAIR HEADER ORTHOGONAL ASSEMBLY UNGUIDED SALES DRAWING			
 = 0														
 = 0	ANGULAR TOL ± 0.5 °		INITIAL REVISION: DRWN: JLAURX 4/28/09 APPR: JBBINGHAM 2010/01/14				PRODUCT CUSTOMER DRAWING							
 = 0	4 PLACES ±													
 = 0	3 PLACES ±	DOCUMENT NUMBER SD-76985-001					DOC TYPE PSD	DOC PART 001	REVISION F1					
 = 0	2 PLACES ± 0.13													
 = 0	1 PLACE ± 0.25													
 = 0	0 PLACES ±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 	DRAWING C-SIZE	SERIES 76985	MATERIAL NUMBER SEE CHART	CUSTOMER GENERAL MARKET	SHEET NUMBER 4 OF 4					