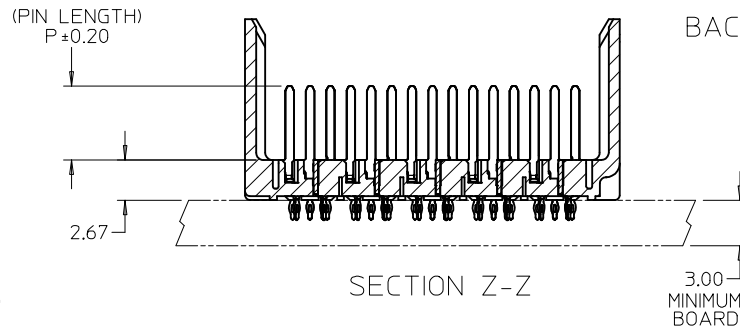
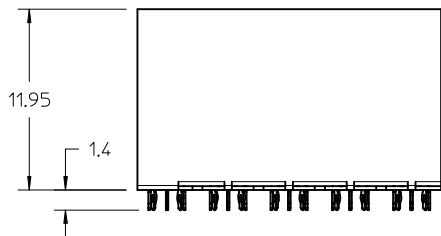
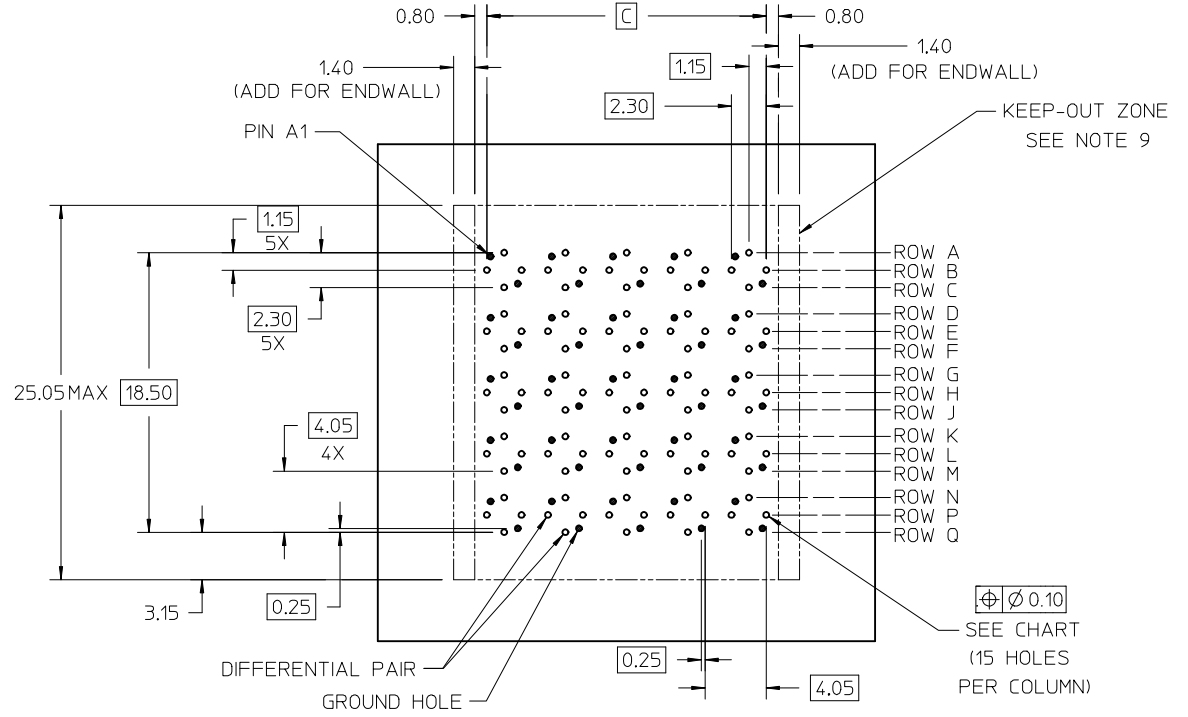
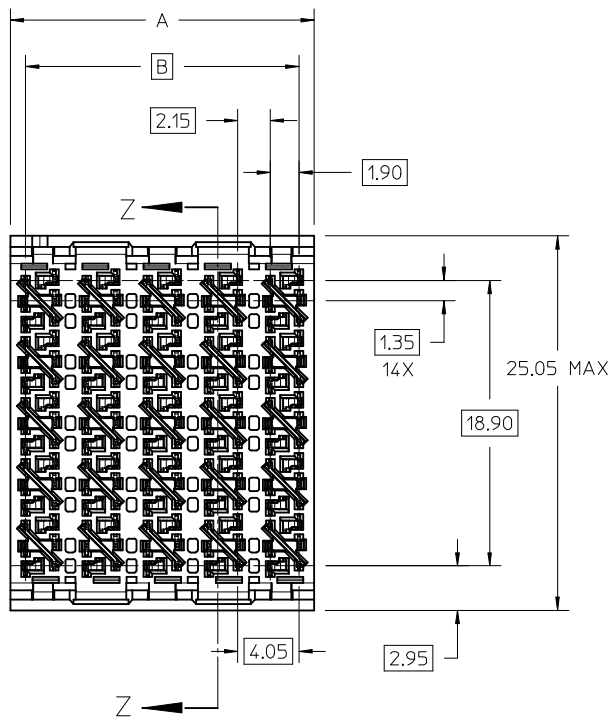
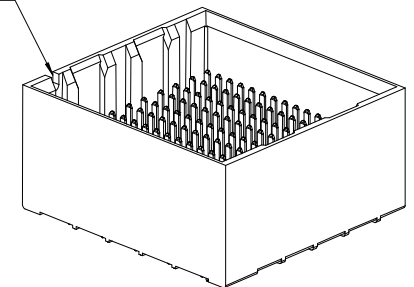




BACKPLANE HOLE PATTERN
(CONNECTOR SIDE)

NOTCH
DESIGNATES
ROW A



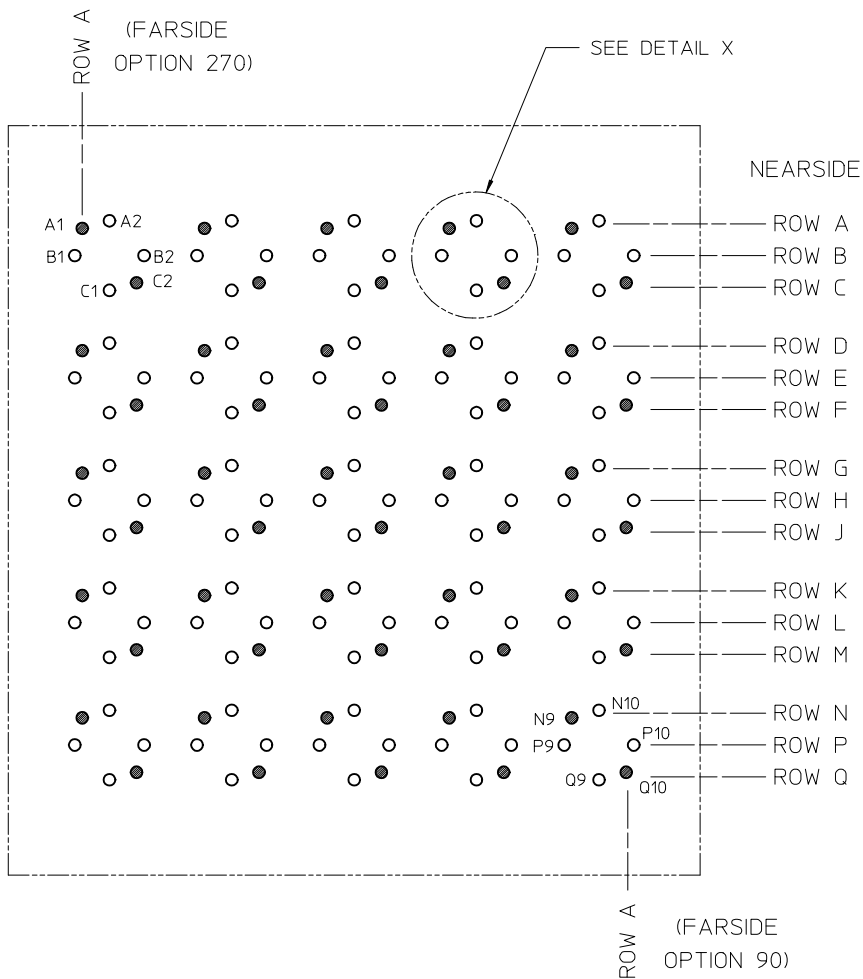
(DUAL ENDWALL SHOWN)

NOTES:

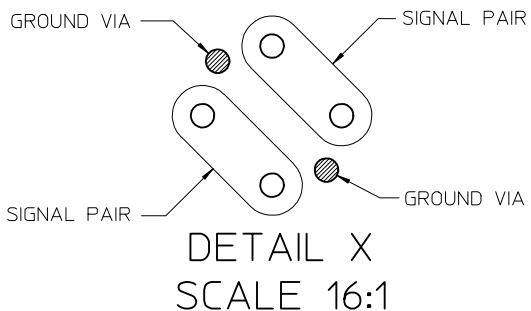
1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP)
GLASS-FILLED, UL94V-0
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
2. FINISH: 30μ MIN GOLD IN CONTACT AREA.
SELECTIVE MATTE TIN (LEAD-FREE) ON PCB TAILS.
NICKEL OVERALL.
3. REFER TO MOLEX PRODUCT SPECIFICATION PS-76060-999
FOR PERFORMANCE SPECIFICATIONS 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 A	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	IMPACT 5 PAIR HEADER ORTHOGONAL ASSEMBLY UNGUIDED SALES DRAWING molex DOCUMENT NO. SD-171884-0001 SHEET NO. 1 OF 4	
				mm	INCH	DRAWN BY ARIZV101	DATE 2013/03/05	TITLE			
			4 PLACES ± ---	± ---	CHECKED BY JMENDOZA	DATE 2013/11/22					
			3 PLACES ± ---	± ---	APPROVED BY TELO	DATE 2013/12/04					
			2 PLACES ± 0.13	± ---	MATERIAL NO.		SIZE				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
			1 PLACE ± 0.25	± ---	SEE CHART						
			0 PLACE ±	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						
			ANGULAR ±1/2°								

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



MIDPLANE PCB LAYOUT
SCALE 8:1



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

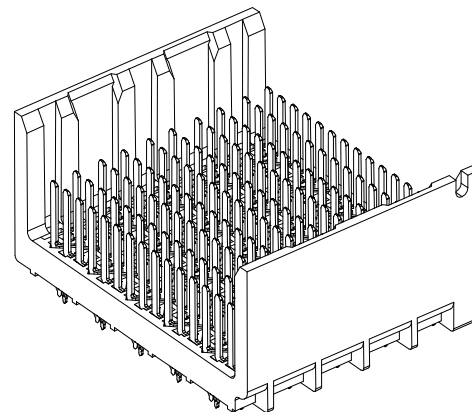
171884-1***

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



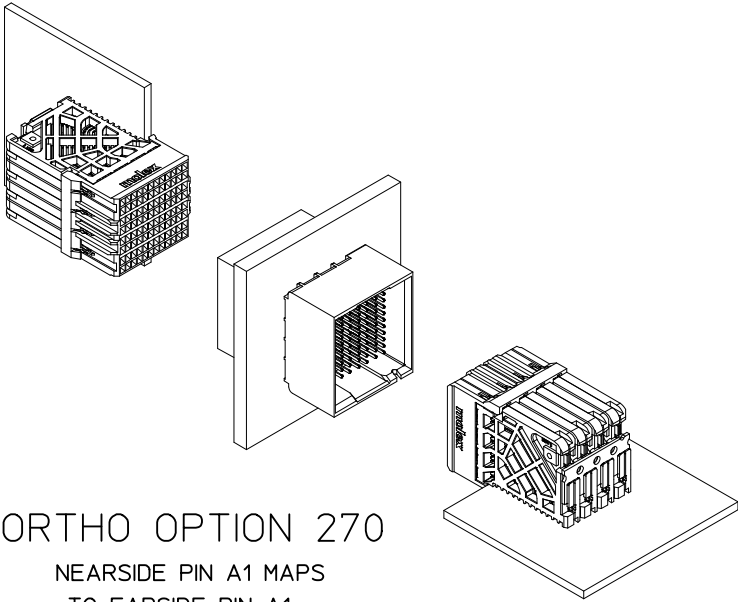
OPEN END OPTION

SEE SHEET 1 EC NO: UCP2014-2268 2013/03/05 DRWN:ARIZV101 2013/11/22 CHKD:TELO 2013/12/04 APPR:TELO	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 				
				mm	INCH	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						
			4 PLACES	± ---	± ---	CHECKED BY JMENDOZA	DATE 2013/11/22							
			3 PLACES	± ---	± ---	APPROVED BY TELO	DATE 2013/12/04							
			2 PLACES	± 0.13	± ---	MATERIAL NO.								
			1 PLACE	± 0.25	± ---	SEE CHART								
			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											

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.



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

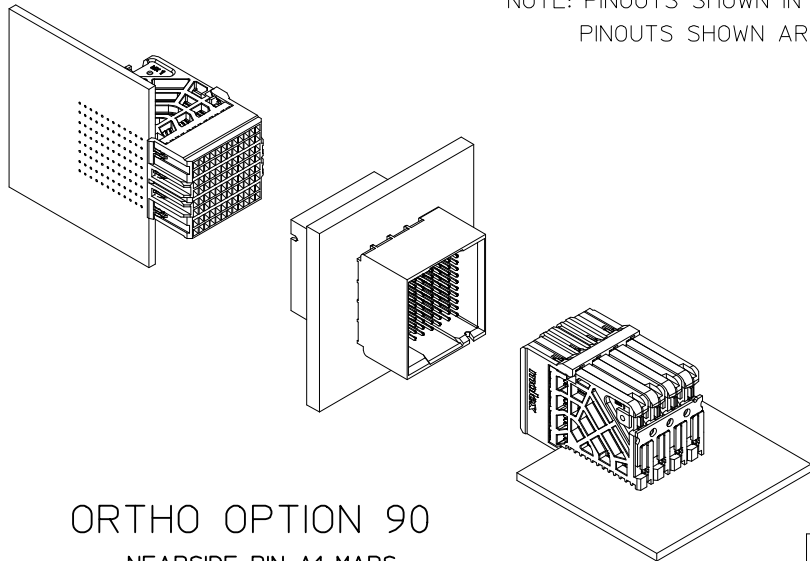
SEE SHEET 1 EC NO: UCP2014-2268 DRAWN: ARIZV101 2013/03/05 CHKD: TELO 2013/11/22 APPR: TELO 2013/12/04 A	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 8:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
					mm	INCH	DRAWN BY ARIZV101	DATE 2013/03/05	TITLE IMPACT 5 PAIR HEADER ORTHOGONAL ASSEMBLY UNGUIDED SALES DRAWING					
				4 PLACES	± ---	± ---	CHECKED BY JMENDOZA	DATE 2013/11/22						
				3 PLACES	± ---	± ---	APPROVED BY TELO	DATE 2013/12/04	DOCUMENT NO. SD-171884-0001					
				2 PLACES	± 0.13	± ---							SHEET NO. 3 OF 4	
				1 PLACE	± 0.25	± ---								
				0 PLACE	±	±	MATERIAL NO.		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
				ANGULAR ±1/2°			SEE CHART		SD-171884-0001					
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE C							

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)

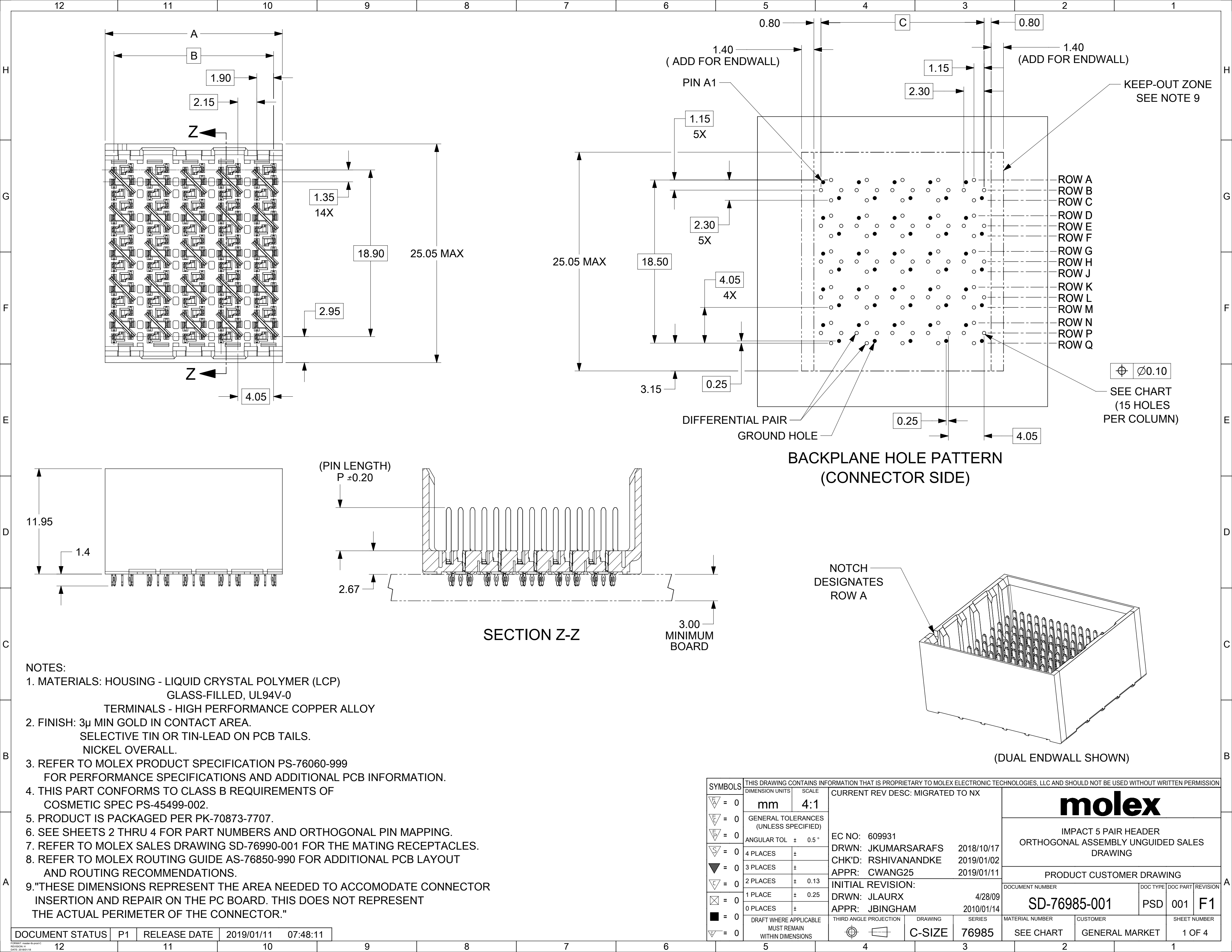
NOTE: PINOUTS SHOWN IN BALLOONS ARE GROUNDS.
PINOUTS SHOWN ARE FOR SQUARE (10 COLUMN) PATTERN ONLY.



ORTHO OPTION 90

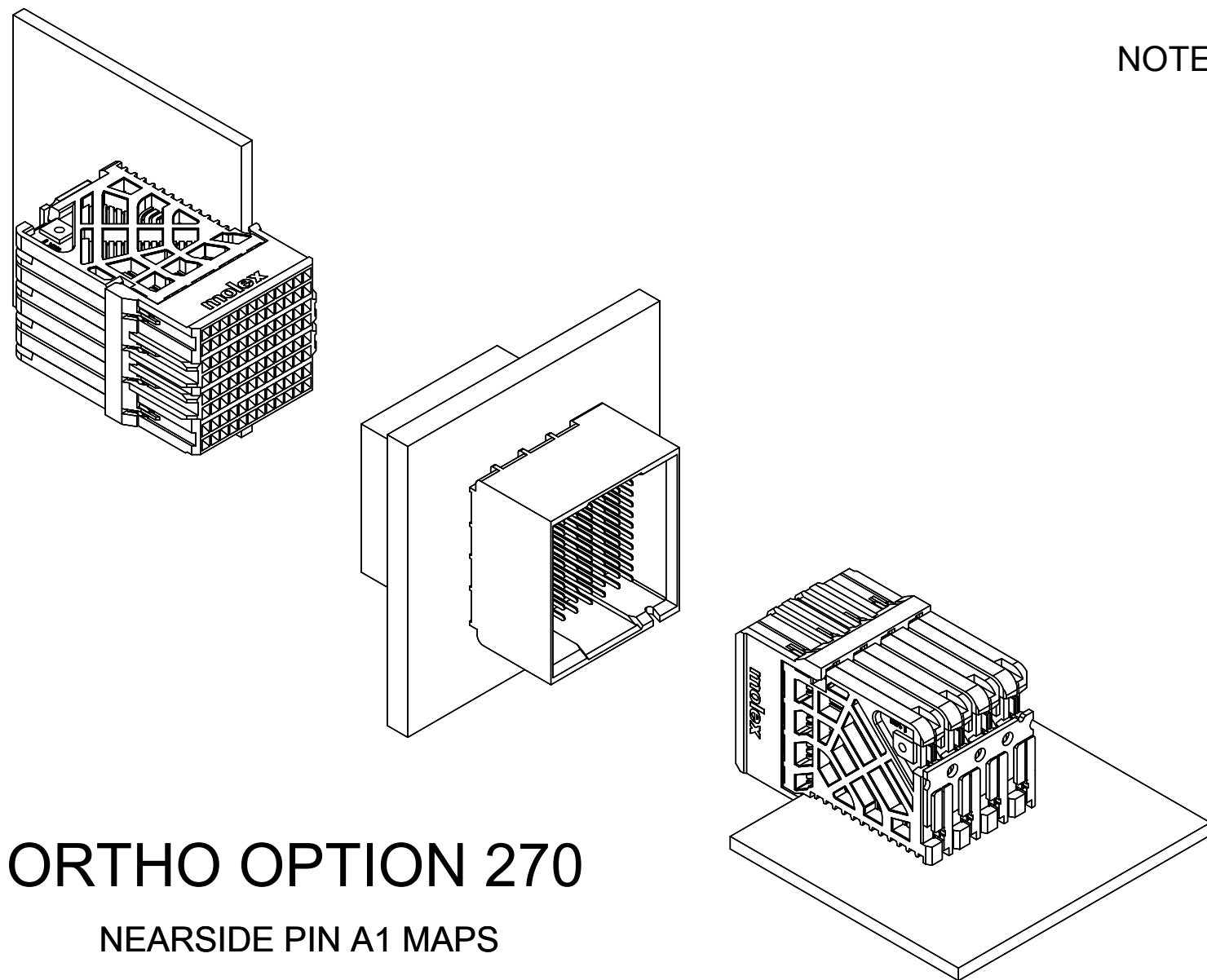
NEAR SIDE PIN A1 MAPS
TO FAR SIDE PIN Q10
(FOR SQUARE PATTERN)

SEE SHEET 1 EC NO: UCP2014-2268 DRWN: ARIZV101 2013/03/05 CHKD: TELO 2013/11/22 APPR: TELO 2013/12/04	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
						MM ONLY		4:1	METRIC				
					mm	INCH	DRAWN BY		DATE	TITLE			
				4 PLACES	± ---	± ---	ARIZV101		2013/03/05				
				3 PLACES	± ---	± ---	CHECKED BY		DATE	IMPACT 5 PAIR HEADER ORTHOGONAL ASSEMBLY UNGUIDED SALES DRAWING			
				2 PLACES	± 0.13	± ---	JMENDOZA		2013/11/22				
				1 PLACE	± 0.25	± ---	APPROVED BY		DATE	molex			
				0 PLACE	±	±	TELO		2013/12/04				
				ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.				SHEET NO.	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-171884-0001				4 OF 4	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													



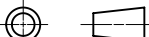
ORTHO PIN MAPPING									
OPTION 270 (NEAR SIDE - FAR SIDE)									
A1-A1	A2-B1	A3-D1	A4-E1	A5-G1	A6-H1	A7-K1	A8-L1	A9-N1	A10-P1
B1-A2	B2-C1	B3-D2	B4-F1	B5-G2	B6-J1	B7-K2	B8-M1	B9-N2	B10-Q1
C1-B2	C2-C2	C3-E2	C4-F2	C5-H2	C6-J2	C7-L2	C8-M2	C9-P2	C10-Q2
D1-A3	D2-B3	D3-D3	D4-E3	D5-G3	D6-H3	D7-K3	D8-L3	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.



ORTHO OPTION 270

NEAR SIDE 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													
 = 0	DIMENSION UNITS	SCALE	CURRENT REV DESC: MIGRATED TO NX											
	mm	8:1												
 = 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: JBINGHAM 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	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 	DRAWING C-SIZE	SERIES 76985	MATERIAL NUMBER SEE CHART	CUSTOMER GENERAL MARKET	SHEET NUMBER 3 OF 4			
 = 0	0 PLACES ±													
 = 0														

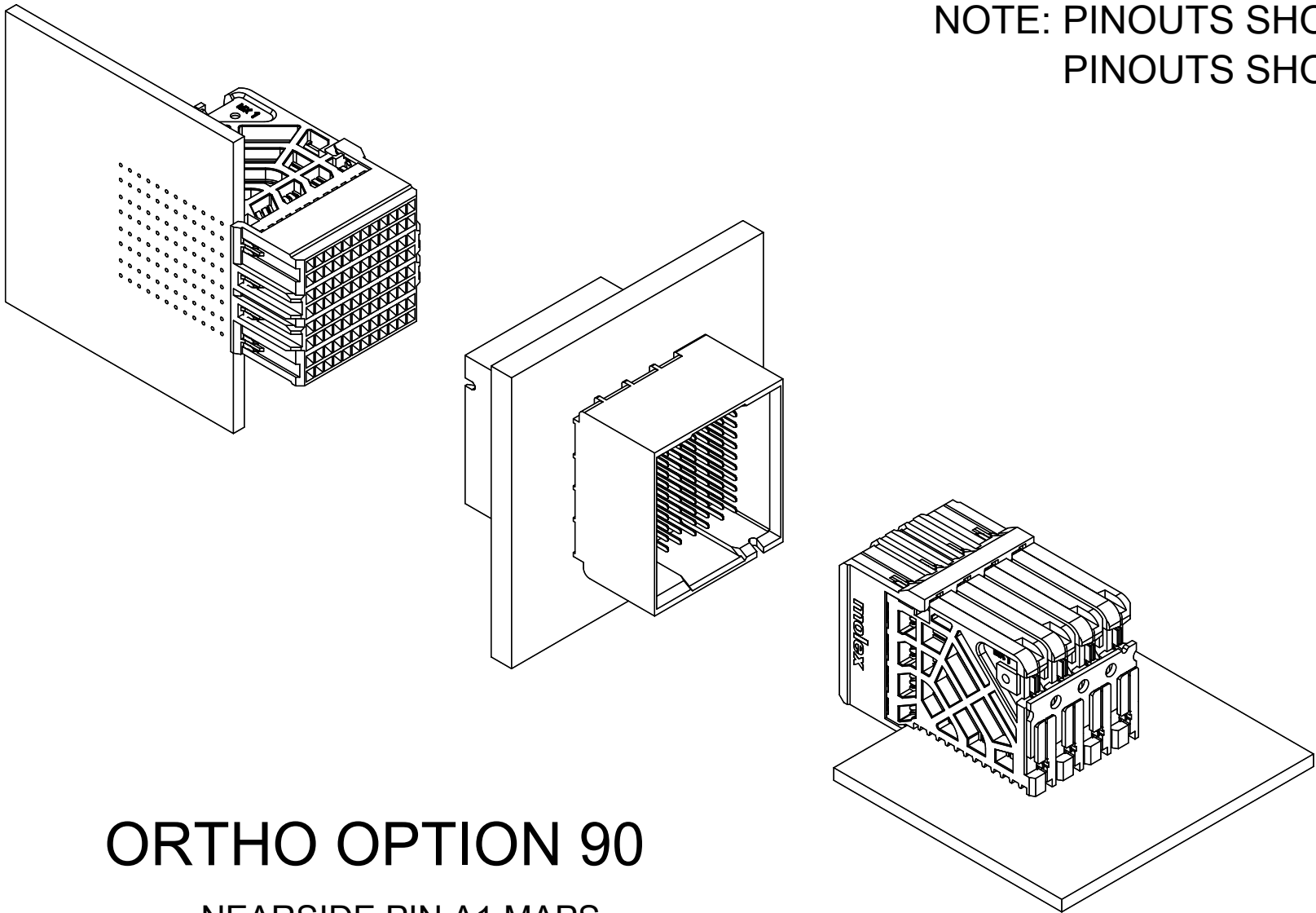
DOCUMENT STATUS	P1	RELEASE DATE	2019/01/11	07:48:11
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ORTHO PIN MAPPING

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 SQARE (10 COLUMN) PATTERN ONLY.



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

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		4:1													
	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 ±															
	3 PLACES ±		INITIAL REVISION: DRWN: JLAURX 4/28/09 APPR: JBINGHAM 2010/01/14			DOCUMENT NUMBER SD-76985-001			DOC TYPE PSD		DOC PART 001		REVISION F1			
	2 PLACES ± 0.13															
	1 PLACE ± 0.25															
	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
1 PLACE ±																
0 PLACES ±																