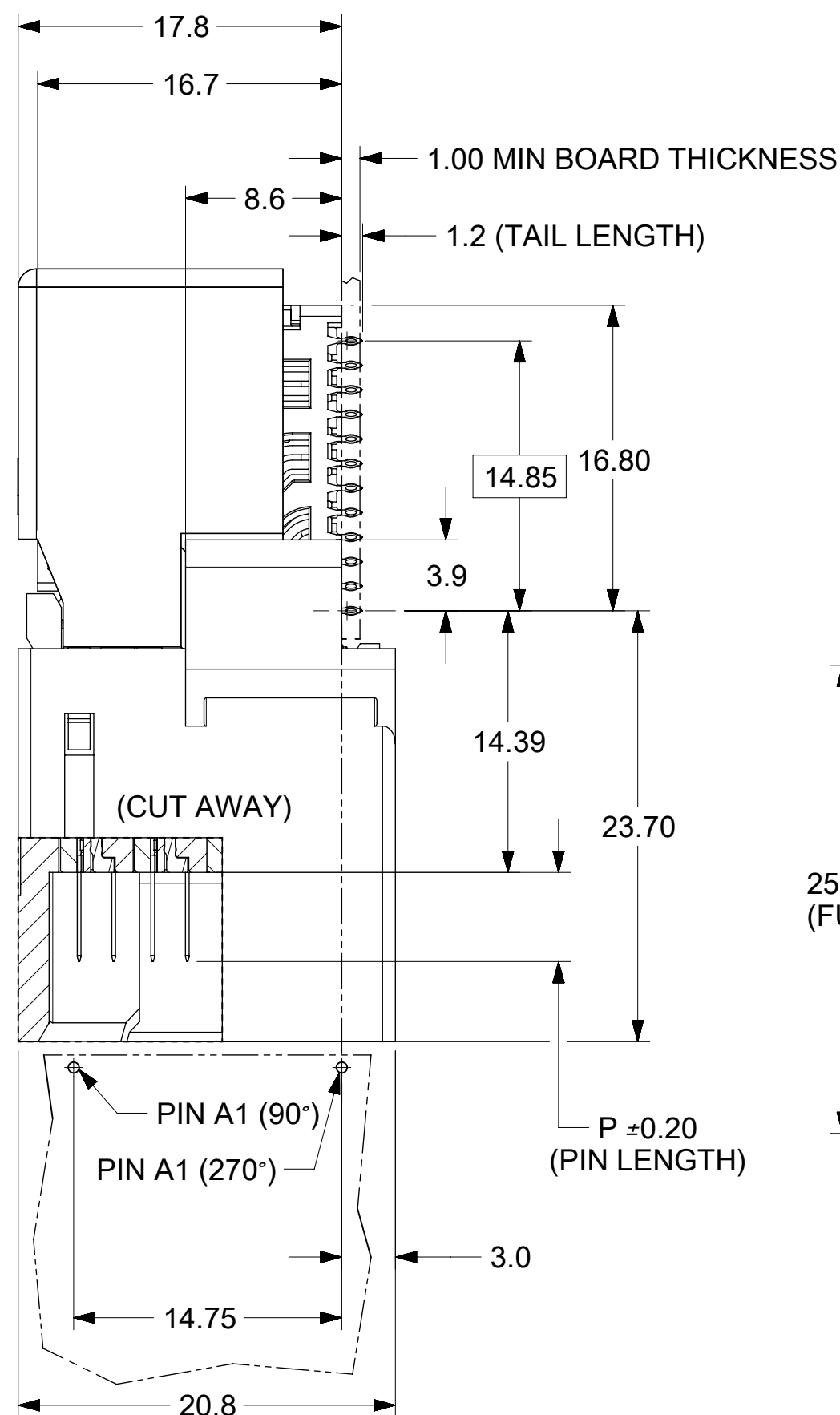
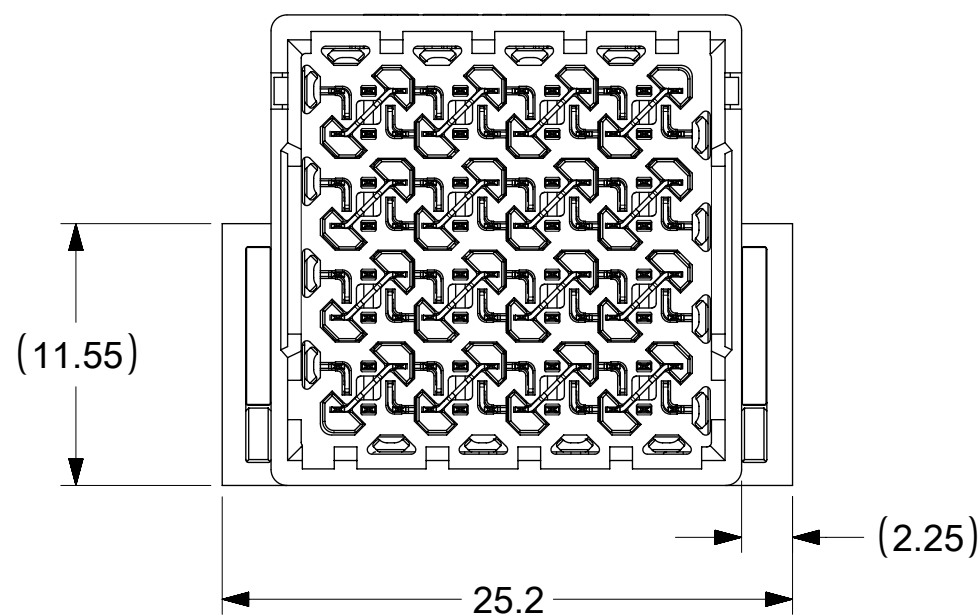
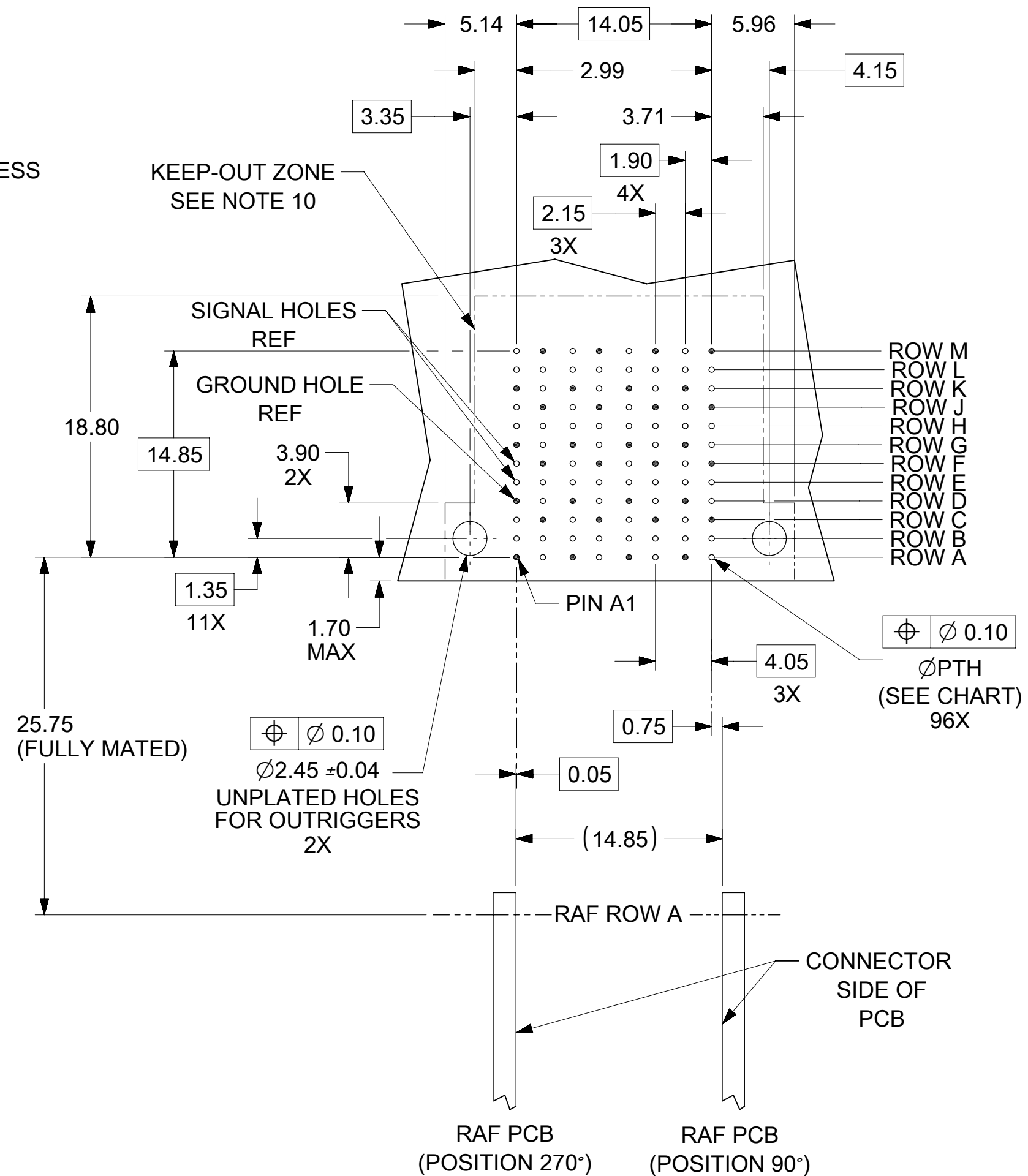


SEE NOTE 11

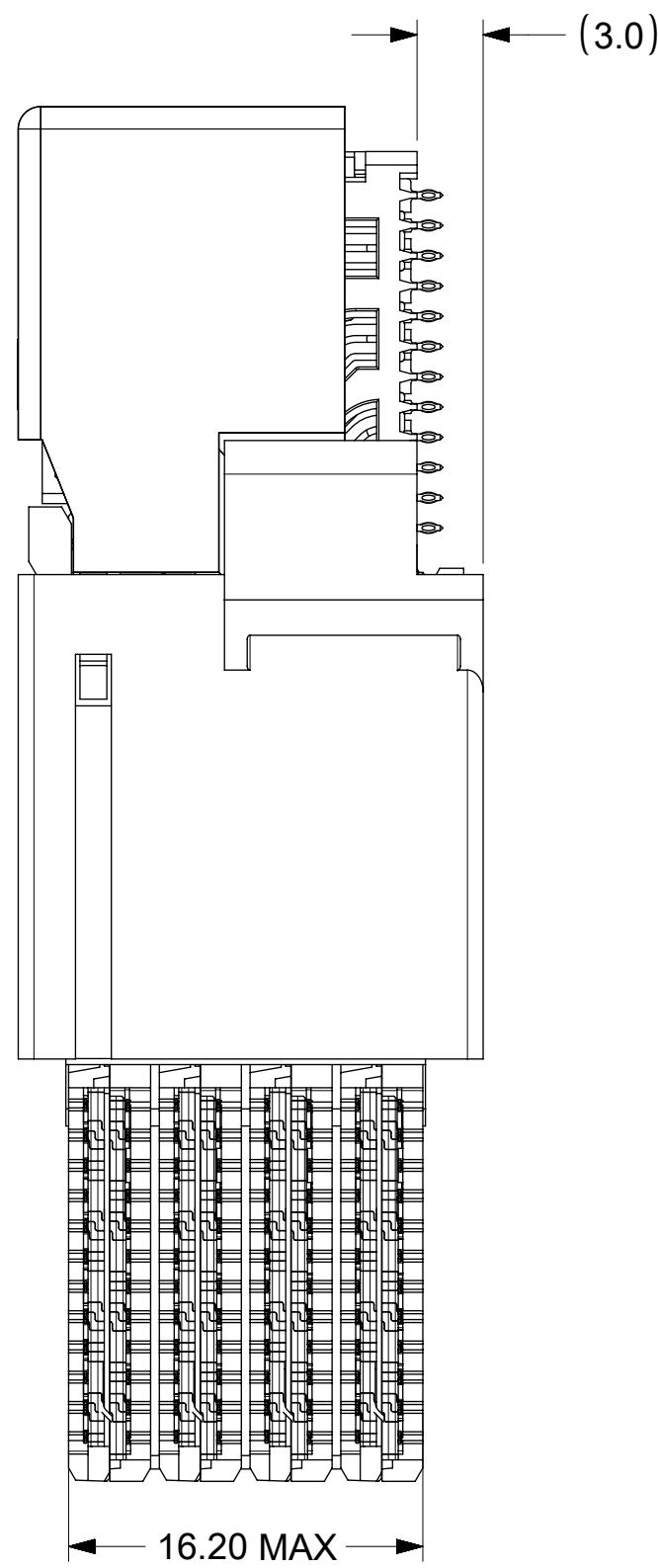
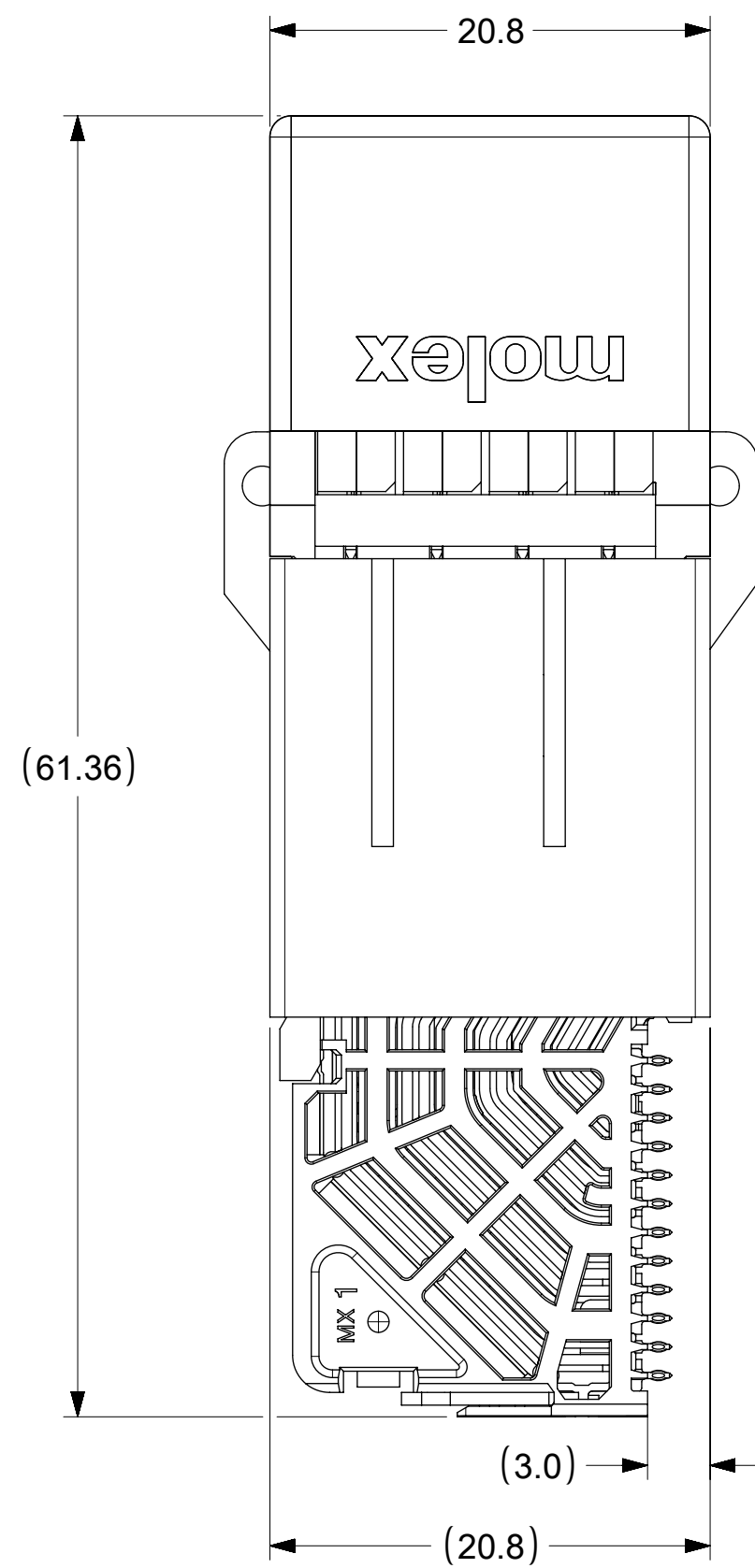


P ±0.20 (PIN LENGTH)



### OD-RAM HOLE PATTERN (CONNECTOR SIDE)

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							
mm		NTS		<p>IMPACT ORTHOGONAL DIRECT 4 PAIR RAM 90 &amp; 270 ASSY UNGUIDE SALES DRAWING</p> <p>PRODUCT CUSTOMER DRAWING</p>							
GENERAL TOLERANCES (UNLESS SPECIFIED)											
ANGULAR TOL ± 0.5°											
4 PLACES ±											
3 PLACES ±											
2 PLACES ± 0.13											
1 PLACE ± 0.25				EC NO: 610105				2018/09/03			
0 PLACES ±				DRWN: SKRISHNAMURT				2019/01/09			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION				DRAWING			
				C-SIZE				SERIES			
DOCUMENT NUMBER				DOC TYPE				DOC PART			
SD-171574-0001				PSD				001			
MATERIAL NUMBER				CUSTOMER				SHEET NUMBER			
SEE CHART				GENERAL MARKET				1 OF 4			



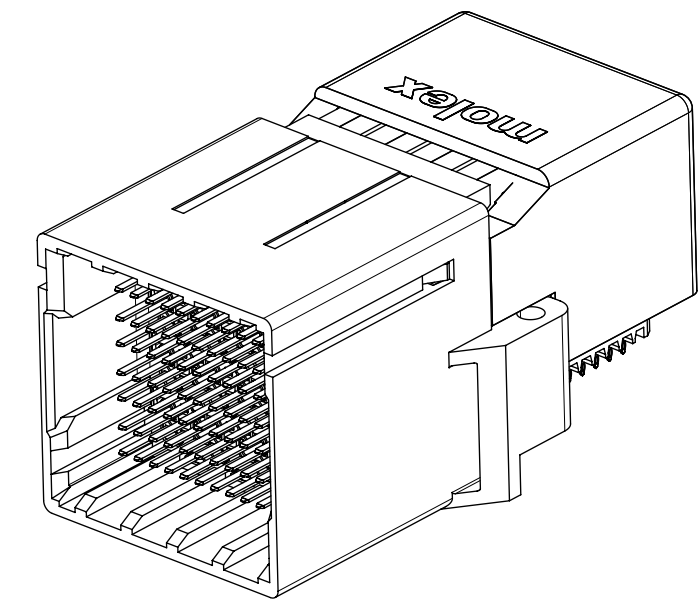
**171574-18\*\***

MODULE TYPE  
1 = UNGUIDED, TIN

# OF COLUMNS  
8 = 8 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)

MATE POSITION  
1 = 90 DEGREE  
3 = 270 DEGREE



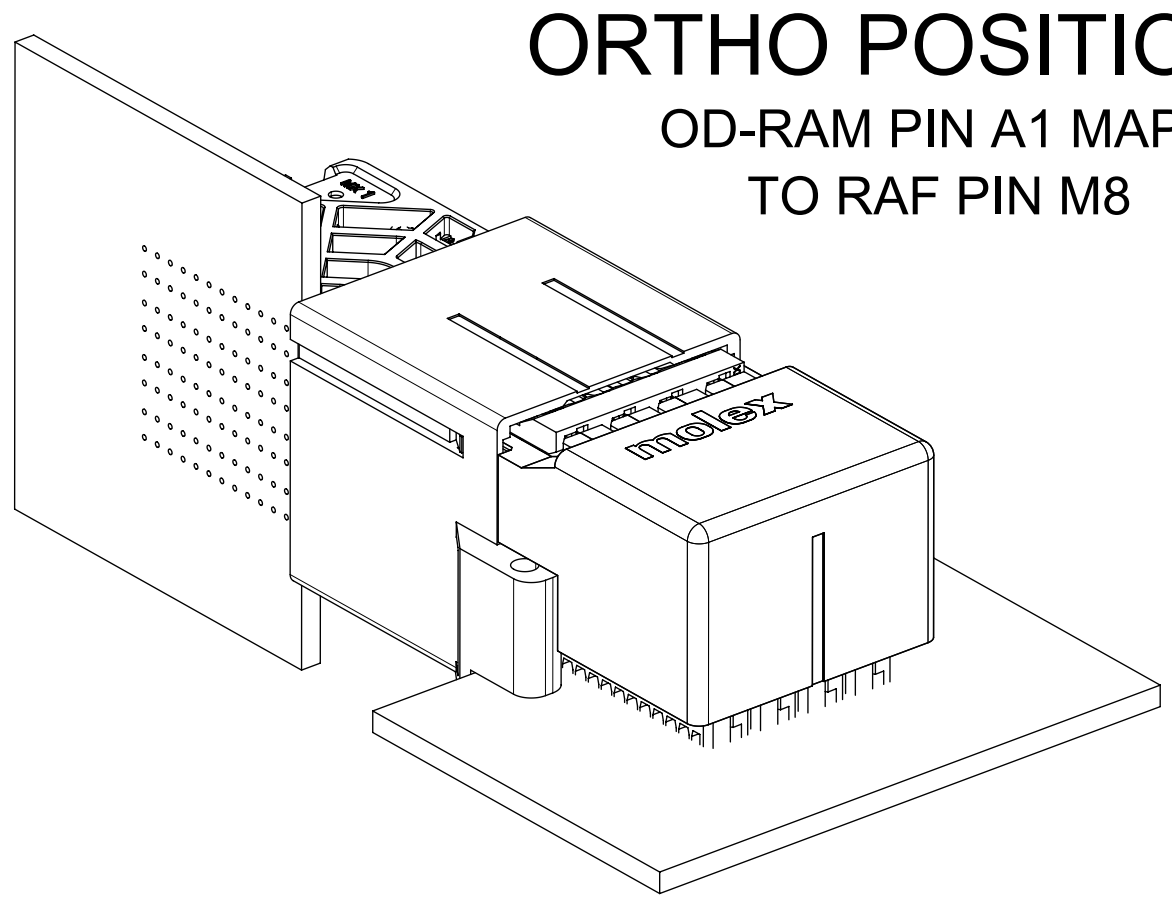
**MATED DIMENSIONS**  
(POSITION 90° SHOWN)

**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 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. PACKAGE PER: PK-70873-8020.
6. SEE SHEET 3 FOR ORTHOGONAL PIN MAPPING.
7. REFER TO MOLEX SALES DRAWING SD-76850-001 FOR THE MATING RECEPTACLES.
8. REFER TO MOLEX ROUTING GUIDE AS-76850-990 FOR ADDITIONAL PCB LAYOUT  
AND ROUTING RECOMMENDATIONS.
9. CONNECTORS ARE SUPPLIED WITH TWO 2-32 THREAD FORMING  
SCREWS.
10. THESE DIMENSIONS REPRESENT THE AREA NEEDED TO ACCOMODATE CONNECTOR  
INSERTION AND REPAIR ON THE PC BOARD. THIS IS REFERED TO AS THE  
"CONNECTOR KEEP OUT ZONE" AND DOES NOT REPRESENT THE ACTUAL PERIMETER  
OF THE CONNECTOR.
11. MARKING: LOCATED APPROXIMATELY AS SHOWN, ON BOTTOM OR TOP HOUSING.  
PART NUMBER AND DATE CODE.

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				<b>molex</b>	
mm		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 610105				IMPACT ORTHOGONAL DIRECT 4 PAIR RAM 90 & 270 ASSY UNGUIDE SALES DRAWING	
ANGULAR TOL ± 0.5°				DRWN: SKRISHNAMURT 2018/09/03					
4 PLACES ±				CHK'D: ABN 2019/01/09					
3 PLACES ±				APPR: SHONG 2019/01/29				PRODUCT CUSTOMER DRAWING	
2 PLACES ± 0.13				INITIAL REVISION:				DOCUMENT NUMBER	
1 PLACE ± 0.25				DRWN: JMENDOZA 2012/10/23				SD-171574-0001	
0 PLACES ±				APPR: TELO 2013/12/26				DOC TYPE DOC PART REVISION	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES	
				C-SIZE		171574		MATERIAL NUMBER CUSTOMER SHEET NUMBER	
						SEE CHART GENERAL MARKET		2 OF 4	

DOCUMENT STATUS	P1	RELEASE DATE	2019/01/29	16:34:26
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**ORTHO POSITION 90°**  
 OD-RAM PIN A1 MAPS  
 TO RAF PIN M8

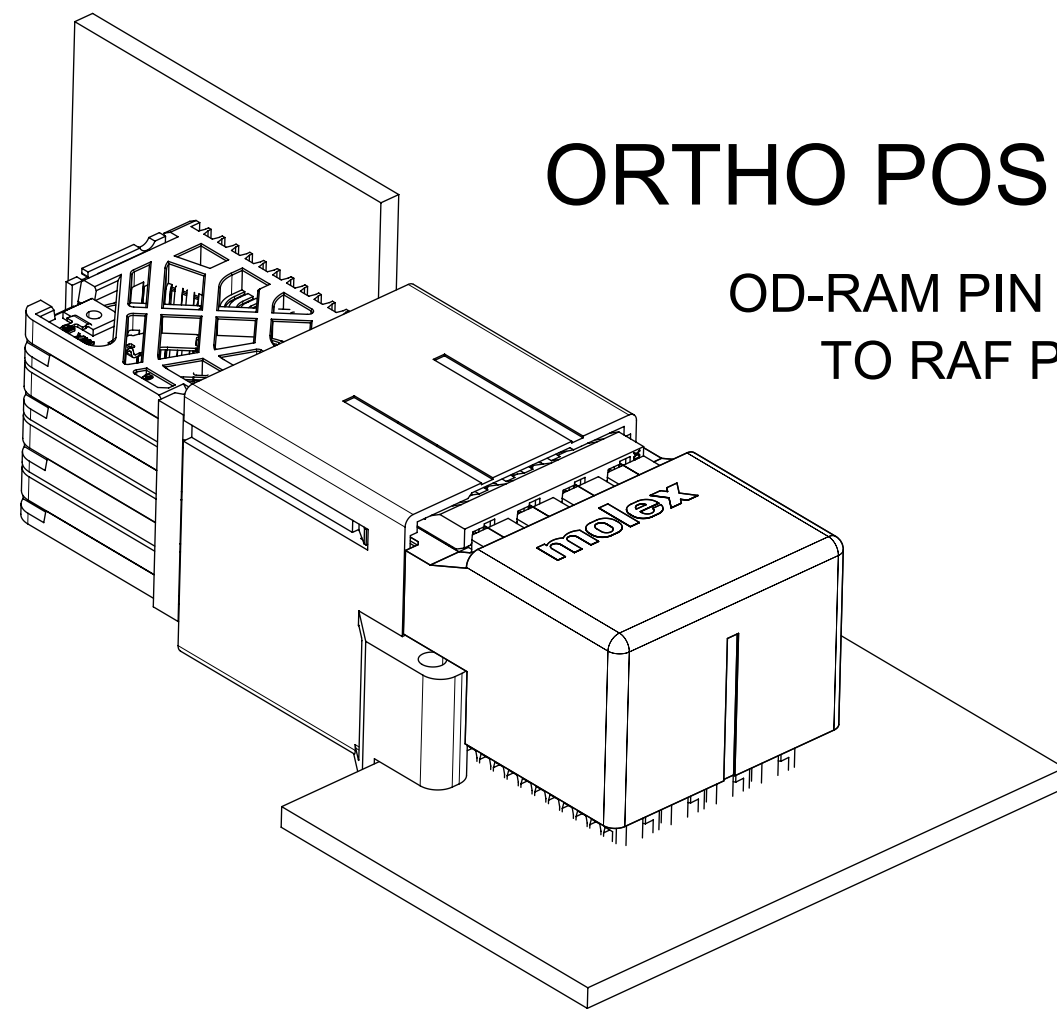
ORTHO PIN MAPPING							
POSITION 90° (OD RAM - RAF)							
A1-M8	A2-L8	A3-J8	A4-H8	A5-F8	A6-E8	A7-C8	A8-B8
B1-M7	B2-K8	B3-J7	B4-G8	B5-F7	B6-D8	B7-C7	B8-A8
C1-L7	C2-K7	C3-H7	C4-G7	C5-E7	C6-D7	C7-B7	C8-A7
D1-M6	D2-L6	D3-J6	D4-H6	D5-F6	D6-E6	D7-C6	D8-B6
E1-M5	E2-K6	E3-J5	E4-G6	E5-F5	E6-D6	E7-C5	E8-A6
F1-L5	F2-K5	F3-H5	F4-G5	F5-E5	F6-D5	F7-B5	F8-A5
G1-M4	G2-L4	G3-J4	G4-H4	G5-F4	G6-E4	G7-C4	G8-B4
H1-M3	H2-K4	H3-J3	H4-G4	H5-F3	H6-D4	H7-C3	H8-A4
J1-L3	J2-K3	J3-H3	J4-G3	J5-E3	J6-D3	J7-B3	J8-A3
K1-M2	K2-L2	K3-J2	K4-H2	K5-F2	K6-E2	K7-C2	K8-B2
L1-M1	L2-K2	L3-J1	L4-G2	L5-F1	L6-D2	L7-C1	L8-A2
M1-L1	M2-K1	M3-H1	M4-G1	M5-E1	M6-D1	M7-B1	M8-A1

NOTE: PINOUTS SHOWN IN BALLOONS ARE GROUNDS.  
 GROUND PATHS ARE NOT DISCRETE CIRCUITS.

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	MATE POSITION	DIM P	PTH Ø
171574-1814	8	32	90	4.90	0.46±0.05
171574-1815	8	32	90	5.50	0.46±0.05
171574-1817	8	32	90	4.90	0.39±0.05
171574-1818	8	32	90	5.50	0.39±0.05

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DIMENSION UNITS	SCALE	CURRENT REV DESC: MIGRATED TO NX		IMPACT ORTHOGONAL DIRECT 4 PAIR RAM 90 & 270 ASSY UNGUIDE SALES DRAWING		
mm	NTS					
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 610105		PRODUCT CUSTOMER DRAWING		
ANGULAR TOL ± 0.5°		DRWN: SKRISHNAMURT 2018/09/03				
4 PLACES ±		CHK'D: ABN 2019/01/09		DOCUMENT NUMBER		
3 PLACES ±		APPR: SHONG 2019/01/29				
2 PLACES ± 0.13		INITIAL REVISION:		SD-171574-0001		
1 PLACE ± 0.25		DRWN: JMENDOZA 2012/10/23				
0 PLACES ±		APPR: TELO 2013/12/26		DOC TYPE   DOC PART   REVISION		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION				
		DRAWING		MATERIAL NUMBER   CUSTOMER   SHEET NUMBER		
		C-SIZE 171574				
		SERIES		SEE CHART   GENERAL MARKET   3 OF 4		



## ORTHO POSITION 270°

OD-RAM PIN A1 MAPS  
TO RAF PIN A1

## ORTHO PIN MAPPING

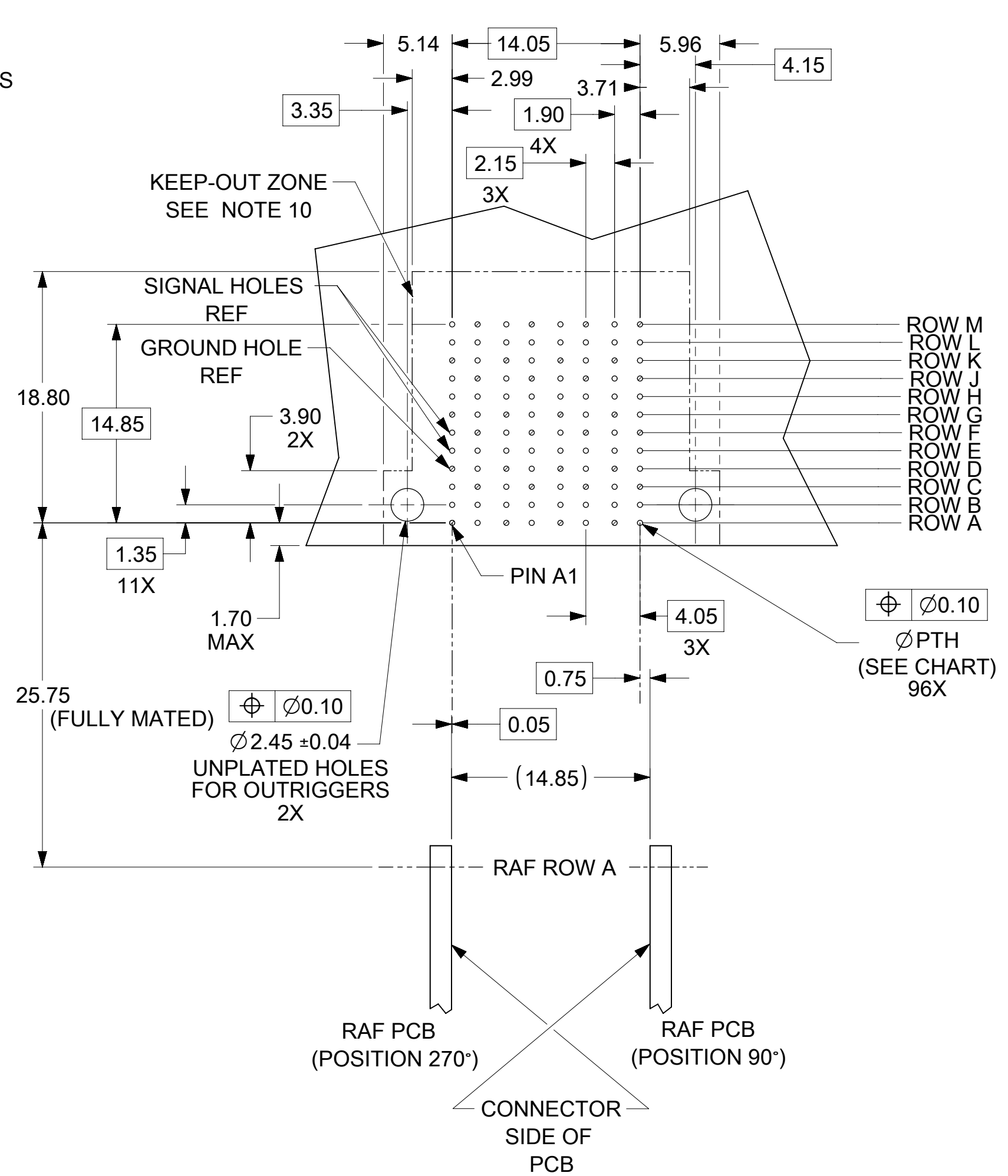
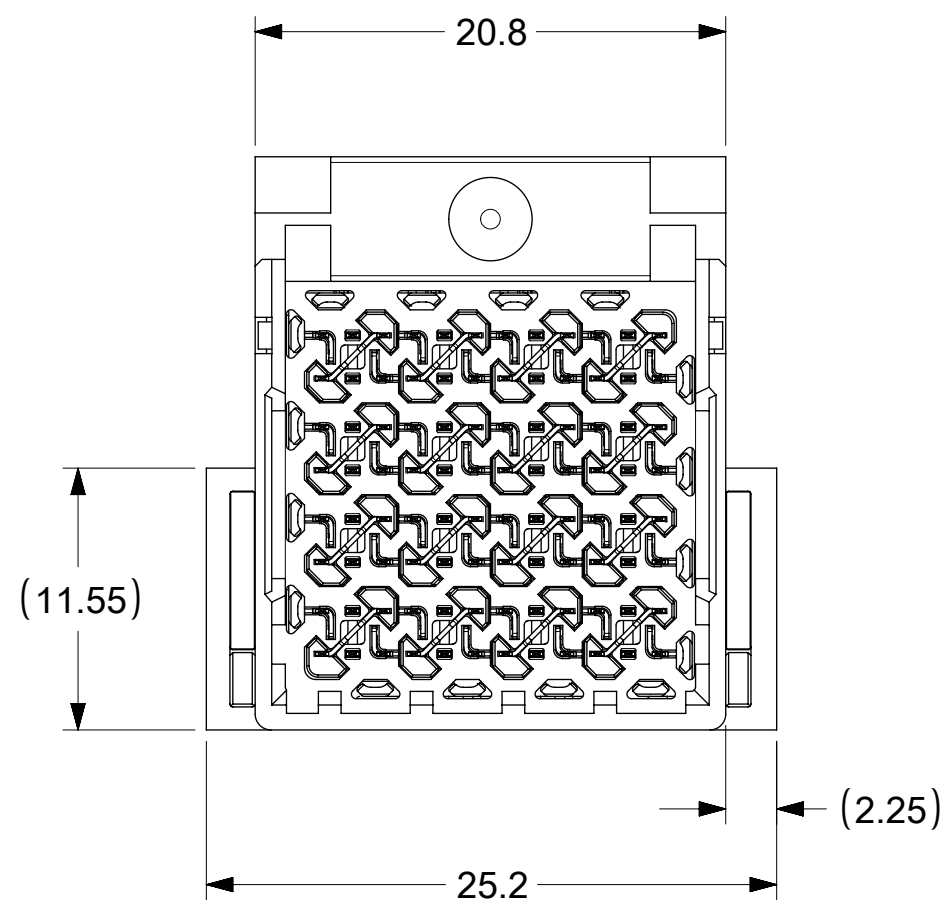
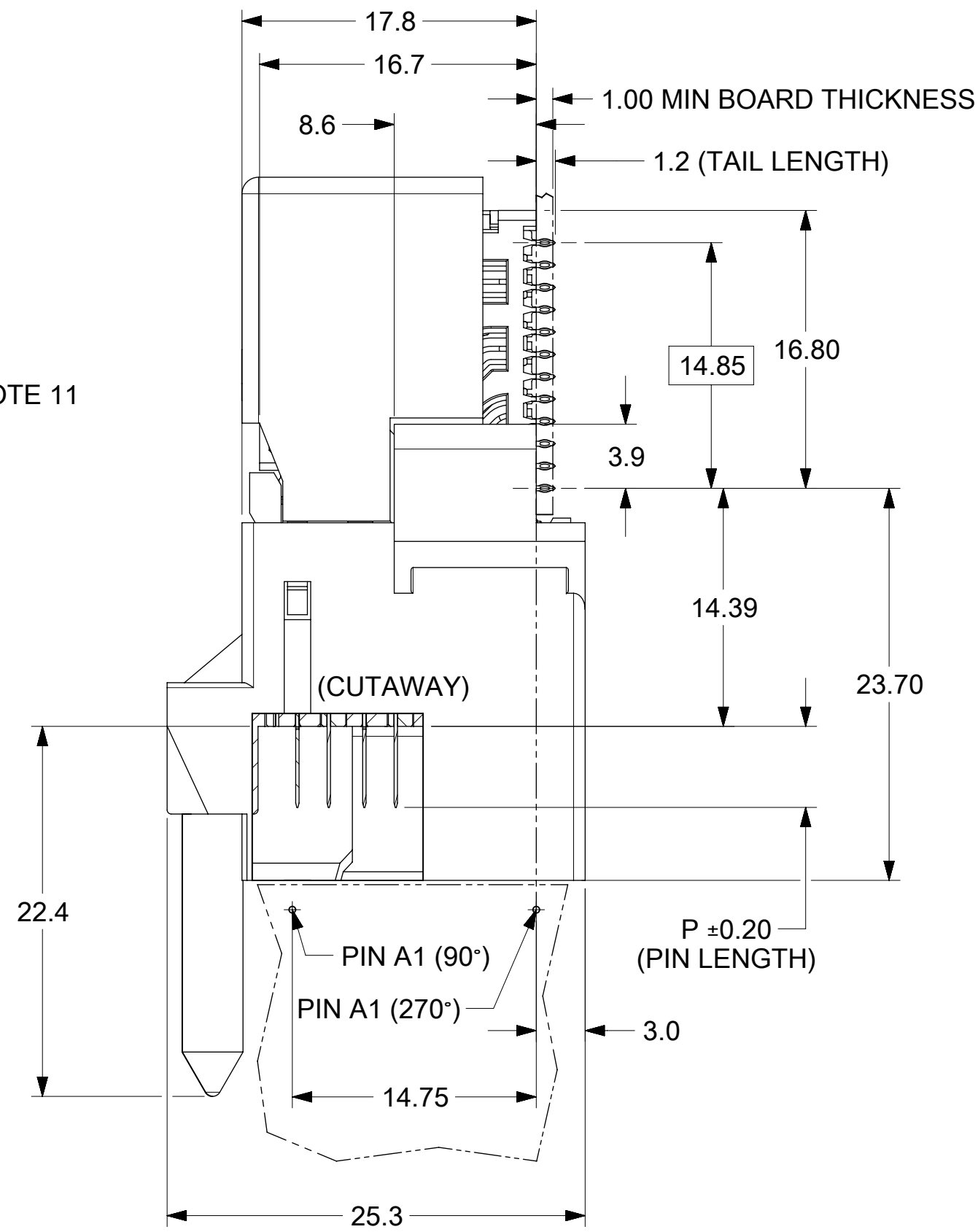
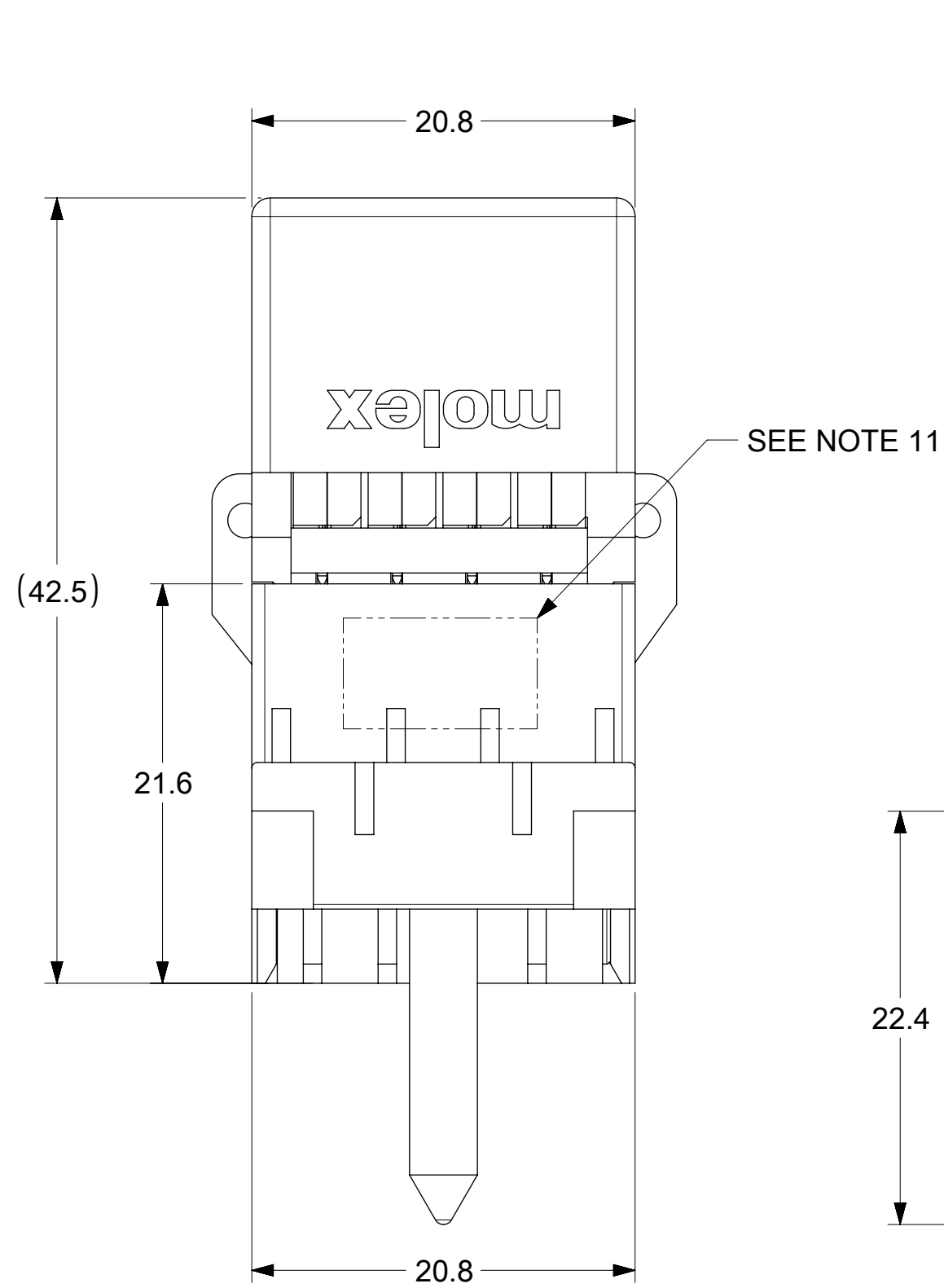
### POSITION 270° (OD RAM - RAF)

A1-A1	A2-B1	A3-D1	A4-E1	A5-G1	A6-H1	A7-K1	A8-L1
B1-A2	B2-C1	B3-D2	B4-F1	B5-G2	B6-J1	B7-K2	B8-M1
C1-B2	C2-C2	C3-E2	C4-F2	C5-H2	C6-J2	C7-L2	C8-M2
D1-A3	D2-B3	D3-D3	D4-E3	D5-G3	D6-H3	D7-K3	D8-L3
E1-A4	E2-C3	E3-D4	E4-F3	E5-G4	E6-J3	E7-K4	E8-M3
F1-B4	F2-C4	F3-E4	F4-F4	F5-H4	F6-J4	F7-L4	F8-M4
G1-A5	G2-B5	G3-D5	G4-E5	G5-G5	G6-H5	G7-K5	G8-L5
H1-A6	H2-C5	H3-D6	H4-F5	H5-G6	H6-J5	H7-K6	H8-M5
J1-B6	J2-C6	J3-E6	J4-F6	J5-H6	J6-J6	J7-L6	J8-M6
K1-A7	K2-B7	K3-D7	K4-E7	K5-G7	K6-H7	K7-K7	K8-L7
L1-A8	L2-C7	L3-D8	L4-F7	L5-G8	L6-J7	L7-K8	L8-M7
M1-B8	M2-C8	M3-E8	M4-F8	M5-H8	M6-J8	M7-L8	M8-M8

NOTE: PINOUTS SHOWN IN BALLOONS ARE GROUNDS.  
GROUND PATHS ARE NOT DISCRETE CIRCUITS.

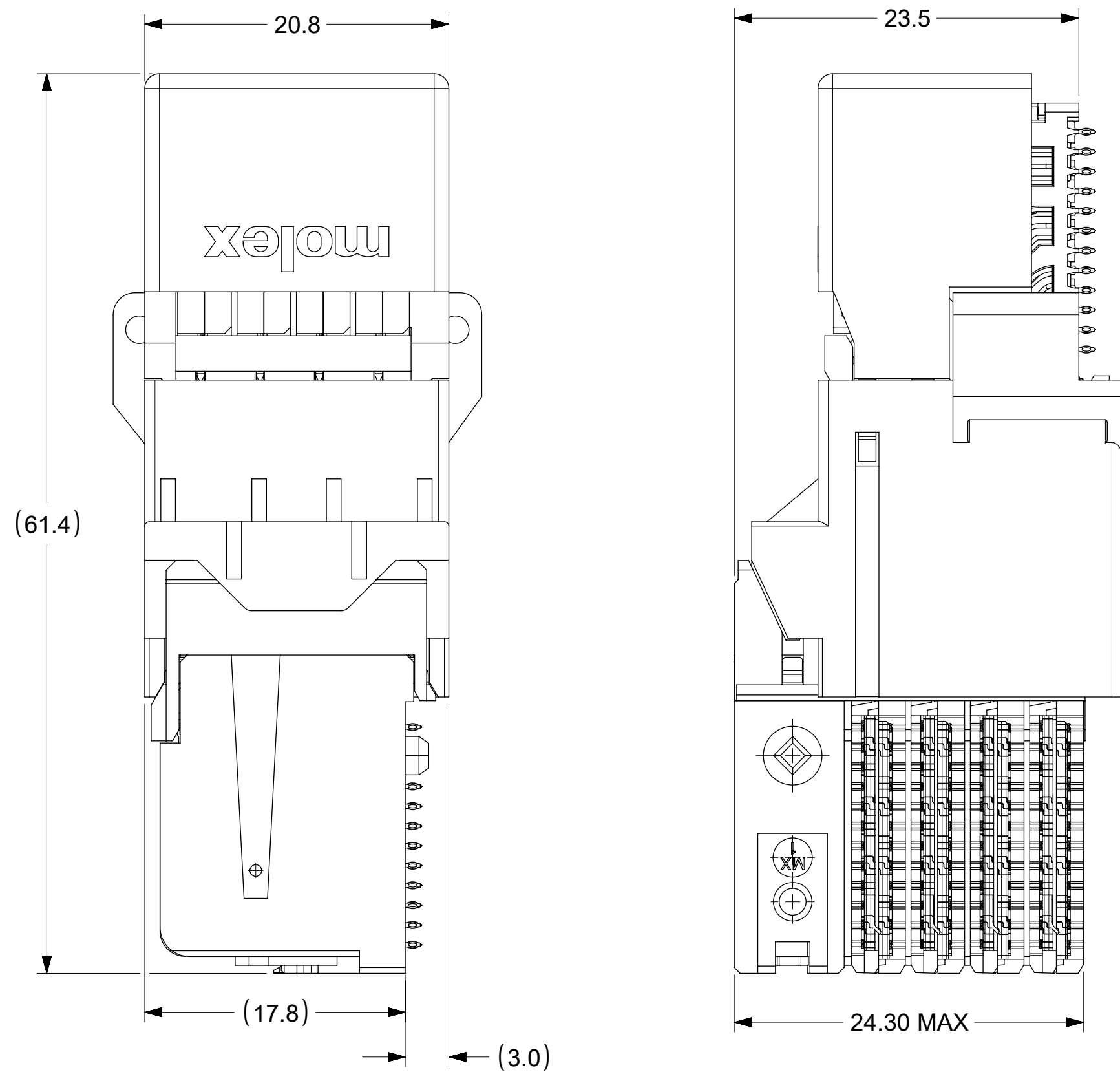
MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	MATE POSITION	DIM P	PTH Ø
171574-1834	8	32	270	4.90	0.46±0.05
171574-1835	8	32	270	5.50	0.46±0.05
171574-1837	8	32	270	4.90	0.39±0.05
171574-1838	8	32	270	5.50	0.39±0.05

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					
mm		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 610105				<b>IMPACT ORTHOGONAL DIRECT</b> <b>4 PAIR RAM 90 &amp; 270 ASSY UNGUIDE SALES</b> <b>DRAWING</b>	
ANGULAR TOL ± 0.5°				DRWN: SKRISHNAMURT 2018/09/03					
4 PLACES ±				CHK'D: ABN 2019/01/09					
3 PLACES ±				APPR: SHONG 2019/01/29				<b>PRODUCT CUSTOMER DRAWING</b>	
2 PLACES ± 0.13				INITIAL REVISION:					
1 PLACE ± 0.25				DRWN: JMENDOZA 2012/10/23				DOCUMENT NUMBER	
0 PLACES ±				APPR: TELO 2013/12/26				SD-171574-0001	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		DOC TYPE	
						C-SIZE		PSD	
				SERIES		MATERIAL NUMBER		DOC PART	
				171574		SEE CHART		001	
						CUSTOMER		REVISION	
						GENERAL MARKET		B3	
						SHEET NUMBER			
						4 OF 4			



### OD-RAM HOLE PATTERN (CONNECTOR SIDE)

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					
mm		NTS		<p>IMPACT ORTHOGONAL DIRECT 4 PAIR RAM 90 &amp; 270 ASSY TOP GUIDE SALES DRAWING</p> <p>PRODUCT CUSTOMER DRAWING</p>					
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL ± 0.5°									
4 PLACES ±		EC NO: 705090							
3 PLACES ±		DRWN: AAPPAROTHAKK 2018/09/03							
2 PLACES ± 0.13		CHK'D: VINODM3 2022/02/17							
1 PLACE ± 0.25		APPR: LZENG 2022/05/13							
0 PLACES ±		INITIAL REVISION:		DOCUMENT NUMBER		DOC TYPE		DOC PART	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
				C-SIZE		171574		SEE TABLE	
				CUSTOMER		GENERAL MARKET		SHEET NUMBER	
								1 OF 4	



## MATED DIMENSIONS

(POSITION 90° SHOWN)

### NOTES:

- MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP)  
GLASS-FILLED, UL94V-0  
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
- FINISH: 30μ MIN GOLD IN CONTACT AREA.  
SELECTIVE TIN ON PCB TAILS.  
NICKEL OVERALL.
- REFER TO MOLEX PRODUCT SPECIFICATION PS-76060-999 FOR PERFORMANCE SPECIFICATIONS AND ADDITIONAL PCB INFORMATION.
- THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002.
- PACKAGE PER: PK-70873-8020.
- SEE SHEET 3 FOR ORTHOGONAL PIN MAPPING.
- REFER TO SHEET 3 AND 4 FOR THE MATING RECEPTACLES.
- REFER TO MOLEX ROUTING GUIDE AS-76850-990 FOR ADDITIONAL PCB LAYOUT AND ROUTING RECOMMENDATIONS.
- CONNECTORS ARE SUPPLIED WITH TWO 2-32 THREAD FORMING SCREWS.
- THESE DIMENSIONS REPRESENT THE AREA NEEDED TO ACCOMODATE CONNECTOR INSERTION AND REPAIR ON THE PC BOARD. THIS IS REFERED TO AS THE "CONNECTOR KEEP OUT ZONE" AND DOES NOT REPRESENT THE ACTUAL PERIMETER OF THE CONNECTOR.
- MARKING: LOCATED APPROXIMATELY AS SHOWN, ON BOTTOM OR TOP HOUSING. PART NUMBER AND DATE CODE.

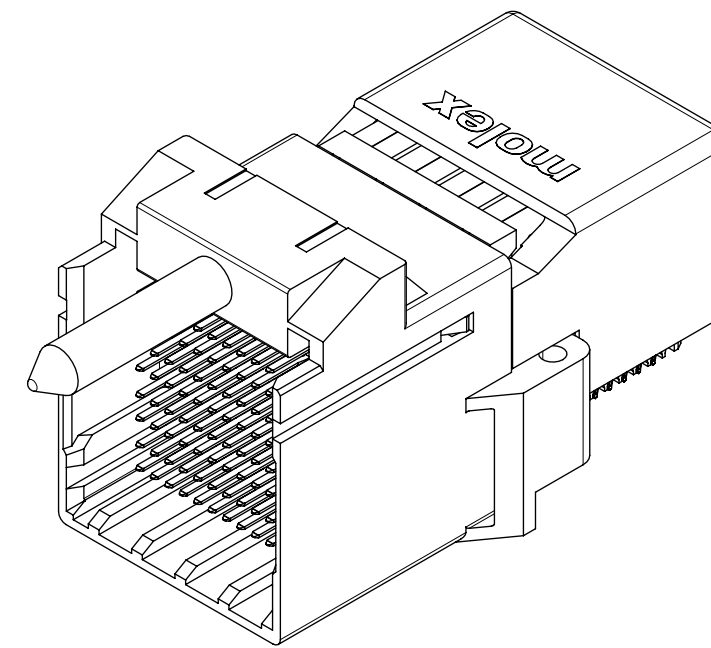
# 171574-78\*\*

MODULE TYPE  
7 = TOP GUIDED, TIN

# OF COLUMNS  
8 = 8 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)

MATE POSITION  
0 = 90 DEGREE  
3 = 270 DEGREE

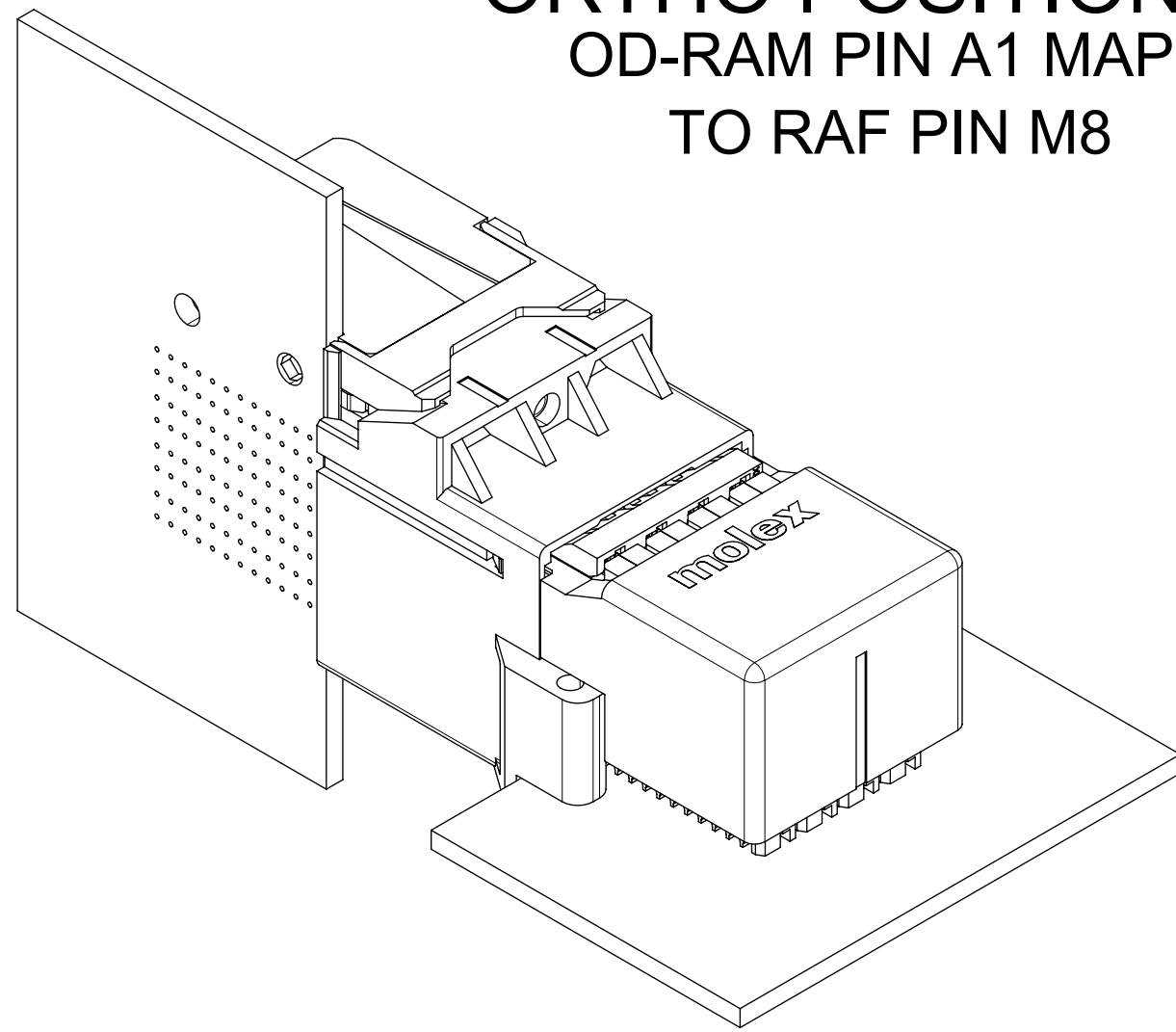


THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE	CURRENT REV DESC: MIGRATED TO NX		<b>molex</b>			
mm	NTS			IMPACT ORTHOGONAL DIRECT 4 PAIR RAM 90 & 270 ASSY TOP GUIDE SALES DRAWING			
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 705090		PRODUCT CUSTOMER DRAWING			
ANGULAR TOL	± 0.5°	DRWN: AAPPAROTHAKK	2018/09/03	DOCUMENT NUMBER			
4 PLACES	±	CHK'D: VINODM3	2022/02/17	SD-171574-0002		DOC TYPE	DOC PART
3 PLACES	±	APPR: LZENG	2022/05/13			PSD	001
2 PLACES	± 0.13	INITIAL REVISION:		REVISION			
1 PLACE	± 0.25	DRWN: JMENDOZA	2012/04/13			B3	
0 PLACES	±	APPR: JMENDOZA	2012/06/08				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
			C-SIZE	171574	SEE TABLE	GENERAL MARKET	2 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2022/05/13	03:05:10
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**ORTHO POSITION 90°  
OD-RAM PIN A1 MAPS  
TO RAF PIN M8**



REFER TO MOLEX SALES DRAWING SD-76850-002  
FOR MATING RECEPTACLES.


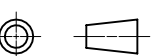
**ORTHO PIN MAPPING  
POSITION 90° (OD RAM - RAF)**

(A1-M8)	A2-L8	(A3-J8)	A4-H8	(A5-F8)	A6-E8	(A7-C8)	A8-B8
B1-M7	B2-K8	B3-J7	B4-G8	B5-F7	B6-D8	B7-C7	B8-A8
C1-L7	(C2-K7)	C3-H7	(C4-G7)	C5-E7	(C6-D7)	C7-B7	(C8-A7)
(D1-M6)	D2-L6	(D3-J6)	D4-H6	(D5-F6)	D6-E6	(D7-C6)	D8-B6
E1-M5	E2-K6	E3-J5	E4-G6	E5-F5	E6-D6	E7-C5	E8-A6
F1-L5	(F2-K5)	F3-H5	(F4-G5)	F5-E5	(F6-D5)	F7-B5	(F8-A5)
(G1-M4)	G2-L4	(G3-J4)	G4-H4	(G5-F4)	G6-E4	(G7-C4)	G8-B4
H1-M3	H2-K4	H3-J3	H4-G4	H5-F3	H6-D4	H7-C3	H8-A4
J1-L3	(J2-K3)	J3-H3	(J4-G3)	J5-E3	(J6-D3)	J7-B3	(J8-A3)
(K1-M2)	K2-L2	(K3-J2)	K4-H2	(K5-F2)	K6-E2	(K7-C2)	K8-B2
L1-M1	L2-K2	L3-J1	L4-G2	L5-F1	L6-D2	L7-C1	L8-A2
M1-L1	(M2-K1)	M3-H1	(M4-G1)	M5-E1	(M6-D1)	M7-B1	(M8-A1)

NOTE: PINOUTS SHOWN IN BALLOONS ARE GROUNDS.  
GROUND PATHS ARE NOT DISCRETE CIRCUITS.

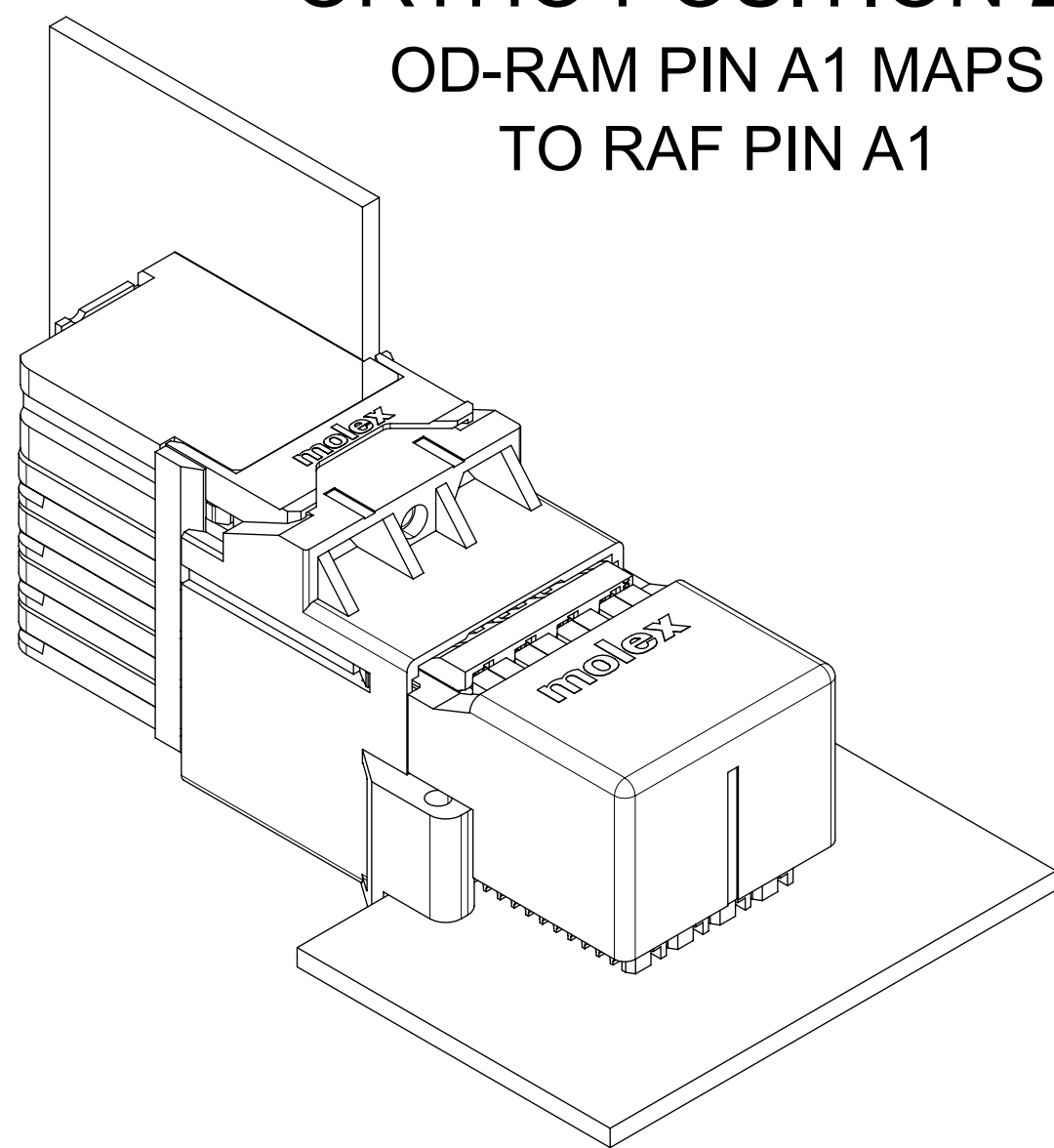
MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	MATE POSITION	DIM P	PTH Ø
171574-7804	8	32	90	4.90	0.46±0.05
171574-7805	8	32	90	5.50	0.46±0.05
171574-7807	8	32	90	4.90	0.39±0.05
171574-7808	8	32	90	5.50	0.39±0.05

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		 IMPACT ORTHOGONAL DIRECT 4 PAIR RAM 90 & 270 ASSY TOP GUIDE SALES DRAWING		
mm	NTS					
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 705090		PRODUCT CUSTOMER DRAWING		
ANGULAR TOL	± 0.5°	DRWN: AAPPAROTHAKK	2018/09/03	DOCUMENT NUMBER		
4 PLACES	±	CHK'D: VINODM3	2022/02/17	SD-171574-0002		
3 PLACES	±	APPR: LZENG	2022/05/13	DOC TYPE	DOC PART	REVISION
2 PLACES	± 0.13	INITIAL REVISION:		PSD	001	B3
1 PLACE	± 0.25	DRWN: JMENDOZA	2012/04/13	MATERIAL NUMBER		
0 PLACES	±	APPR: JMENDOZA	2012/06/08	CUSTOMER		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	SHEET NUMBER	
			C-SIZE	171574	SEE TABLE	3 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2022/05/13	03:05:10
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**ORTHO POSITION 270°**  
**OD-RAM PIN A1 MAPS**  
**TO RAF PIN A1**




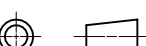
REFER TO MOLEX SALES DRAWING SD-76850-004  
 FOR MATING RECEPTACLES.

**ORTHO PIN MAPPING**  
**POSITION 270° (OD RAM - RAF)**

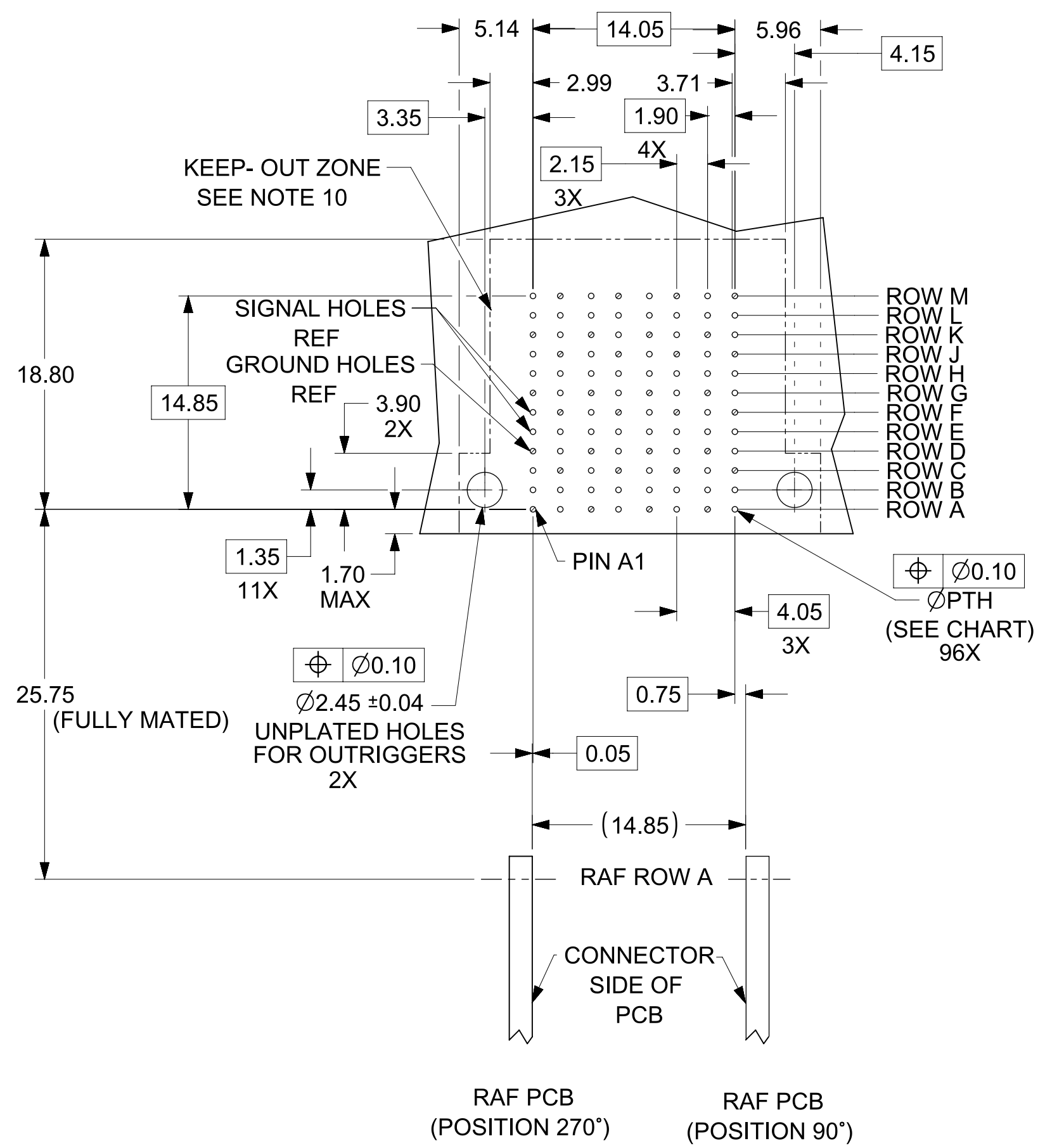
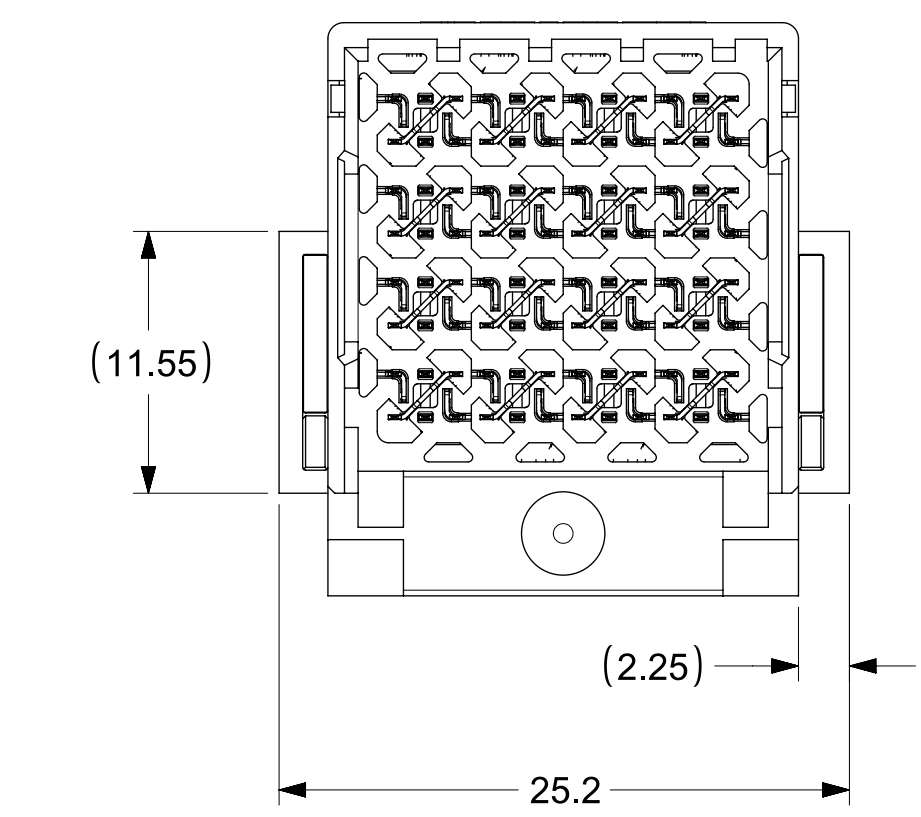
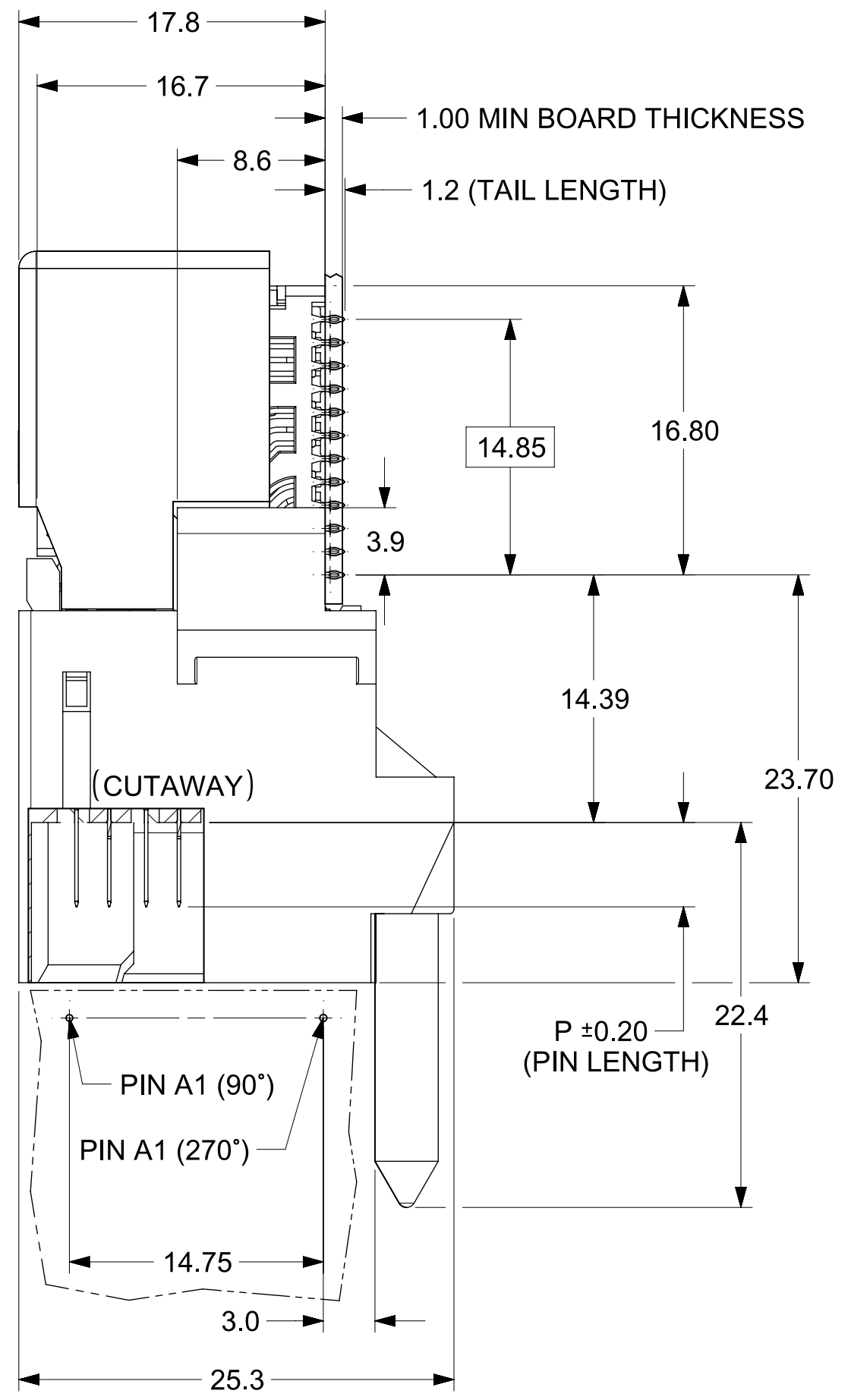
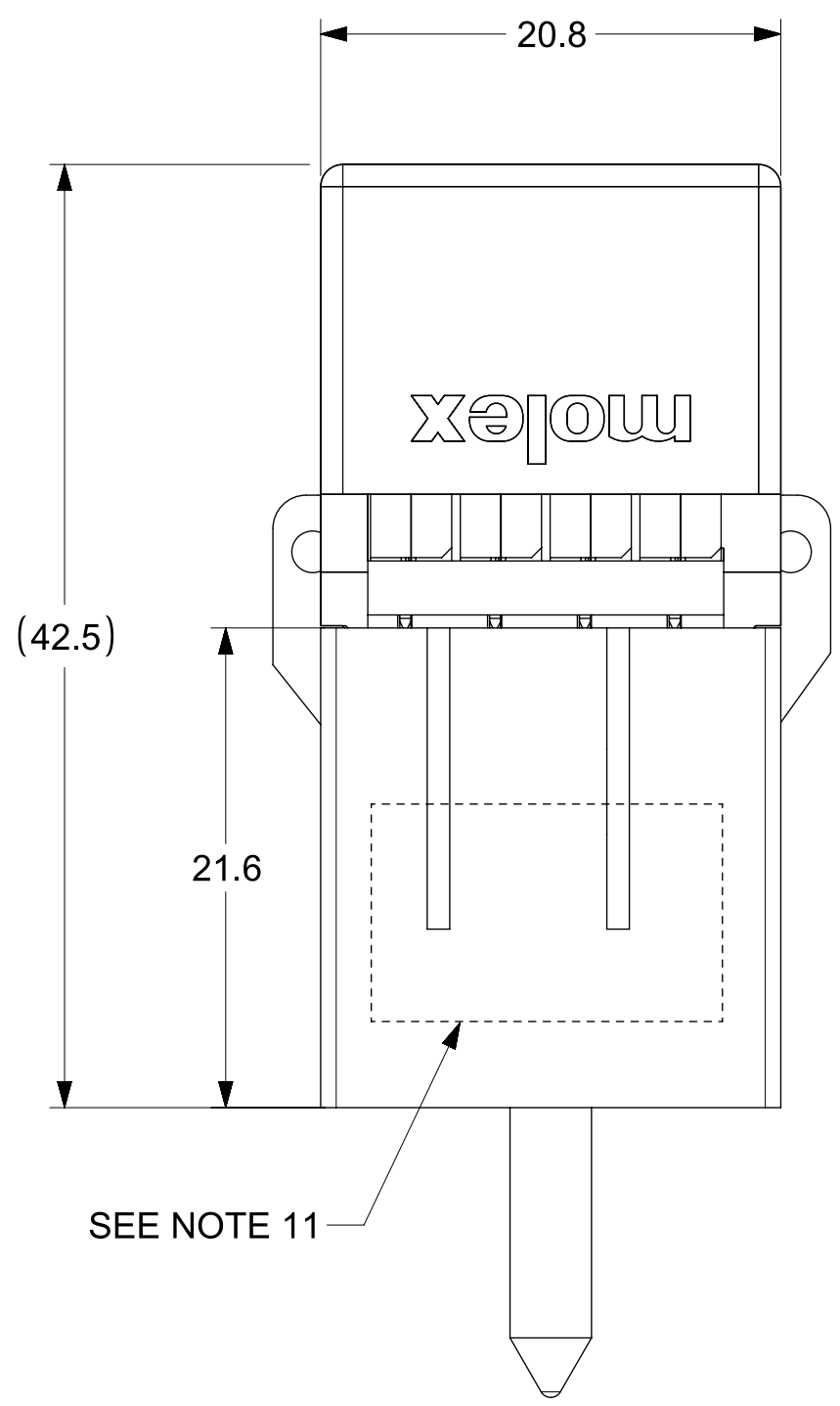
(A1-A1)	A2-B1	(A3-D1)	A4-E1	(A5-G1)	A6-H1	(A7-K1)	A8-L1
B1-A2	B2-C1	B3-D2	B4-F1	B5-G2	B6-J1	B7-K2	B8-M1
C1-B2	(C2-C2)	C3-E2	(C4-F2)	C5-H2	(C6-J2)	C7-L2	(C8-M2)
(D1-A3)	D2-B3	(D3-D3)	D4-E3	(D5-G3)	D6-H3	(D7-K3)	D8-L3
E1-A4	E2-C3	E3-D4	E4-F3	E5-G4	E6-J3	E7-K4	E8-M3
F1-B4	(F2-C4)	F3-E4	(F4-F4)	F5-H4	(F6-J4)	F7-L4	(F8-M4)
(G1-A5)	G2-B5	(G3-D5)	G4-E5	(G5-G5)	G6-H5	(G7-K5)	G8-L5
H1-A6	H2-C5	H3-D6	H4-F5	H5-G6	H6-J5	H7-K6	H8-M5
J1-B6	(J2-C6)	J3-E6	(J4-F6)	J5-H6	(J6-J6)	J7-L6	(J8-M6)
(K1-A7)	K2-B7	(K3-D7)	K4-E7	(K5-G7)	K6-H7	(K7-K7)	K8-L7
L1-A8	L2-C7	L3-D8	L4-F7	L5-G8	L6-J7	L7-K8	L8-M7
M1-B8	(M2-C8)	M3-E8	(M4-F8)	M5-H8	(M6-J8)	M7-L8	(M8-M8)

NOTE: PINOUTS SHOWN IN BALLOONS ARE GROUNDS.  
 GROUND PATHS ARE NOT DISCRETE CIRCUITS.

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	MATE POSITION	DIM P	PTH Ø
171574-7834	8	32	270	4.90	0.46±0.05
171574-7835	8	32	270	5.50	0.46±0.05
171574-7837	8	32	270	4.90	0.39±0.05
171574-7838	8	32	270	5.50	0.39±0.05

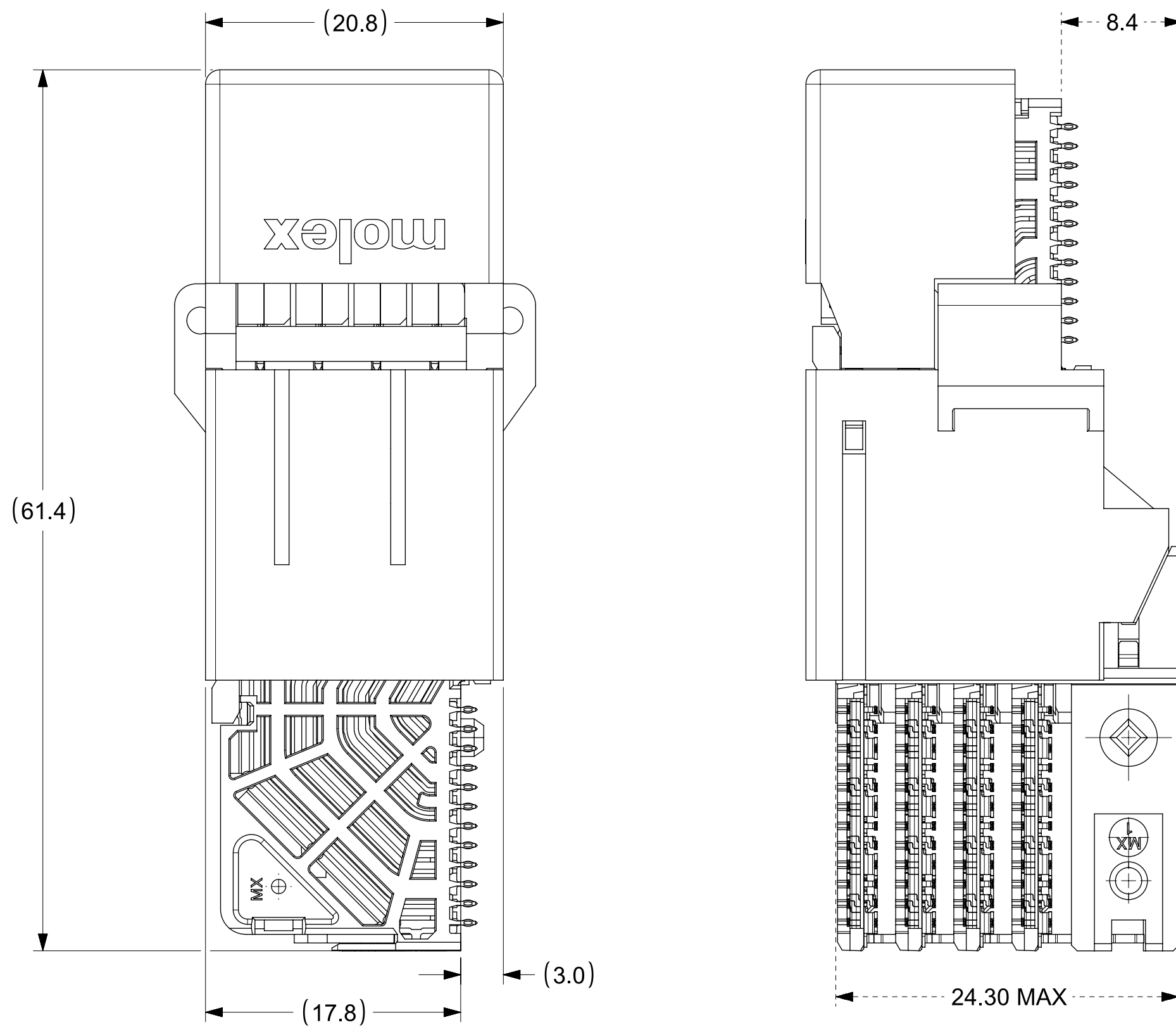
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS	SCALE	CURRENT REV DESC: MIGRATED TO NX				 IMPACT ORTHOGONAL DIRECT 4 PAIR RAM 90 & 270 ASSY TOP GUIDE SALES DRAWING			
mm	NTS								
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 705090				2018/09/03			
ANGULAR TOL ± 0.5°		DRWN: AAPPAROTHAKK				2022/02/17			
4 PLACES ±		CHK'D: VINODM3				2022/05/13			
3 PLACES ±		APPR: LZENG							
2 PLACES ± 0.13		INITIAL REVISION:				DOCUMENT NUMBER			
1 PLACE ± 0.25		DRWN: JMENDOZA				SD-171574-0002			
0 PLACES ±		APPR: JMENDOZA				PSD 001 B3			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER		
			C-SIZE	171574	SEE TABLE	GENERAL MARKET	4 OF 4		





## OD- RAM HOLE PATTERN (CONNECTOR SIDE)

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					
mm	NTS							IMPACT ORTHOGONAL DIRECT 4 PAIR RAM 90 & 270 ASSY BOTTOM GUIDE SALES DWG					
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 705090						PRODUCT CUSTOMER DRAWING					
ANGULAR TOL ± 0.5°		4 PLACES ±		3 PLACES ±		2 PLACES ± 0.13		1 PLACE ± 0.25		0 PLACES ±		INITIAL REVISION:	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
DOCUMENT STATUS		P1		RELEASE DATE		2022/05/13 03:05:10		DRWN: MMALLIGEVALU 2018/08/31		CHK'D: VINODM3 2022/02/17		APPR: LZENG 2022/05/13	
DOCUMENT STATUS		P1		RELEASE DATE		2022/05/13 03:05:10		DRWN: JMENDOZA 2012/10/23		CHK'D: JMENDOZA 2012/12/07		APPR: JMENDOZA	
DOCUMENT STATUS		P1		RELEASE DATE		2022/05/13 03:05:10		DRAWING		C-SIZE		171574	
DOCUMENT STATUS		P1		RELEASE DATE		2022/05/13 03:05:10		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
DOCUMENT STATUS		P1		RELEASE DATE		2022/05/13 03:05:10		SEE TABLE		GENERAL MARKET		1 OF 4	
DOCUMENT STATUS		P1		RELEASE DATE		2022/05/13 03:05:10		DOCUMENT NUMBER		DOC TYPE		DOC PART	
DOCUMENT STATUS		P1		RELEASE DATE		2022/05/13 03:05:10		SD-171574-0003		PSD		001 B3	



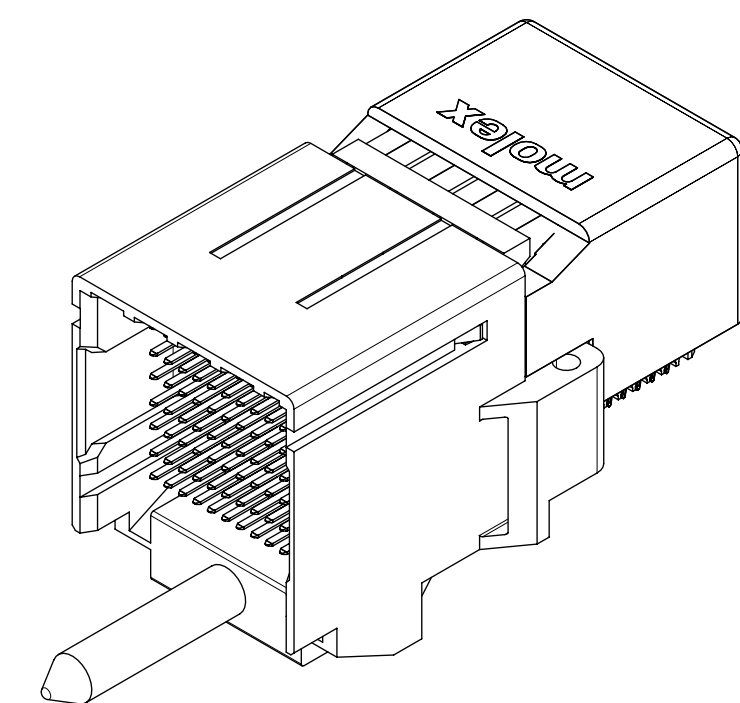
**171574-98\*\***

MODULE TYPE  
9 = BOTTOM GUIDED, TIN

# OF COLUMNS  
8 = 8 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)

MATE POSITION  
0 = 90 DEGREE  
3 = 270 DEGREE



## MATED DIMENSIONS

(POSITION 90° SHOWN)

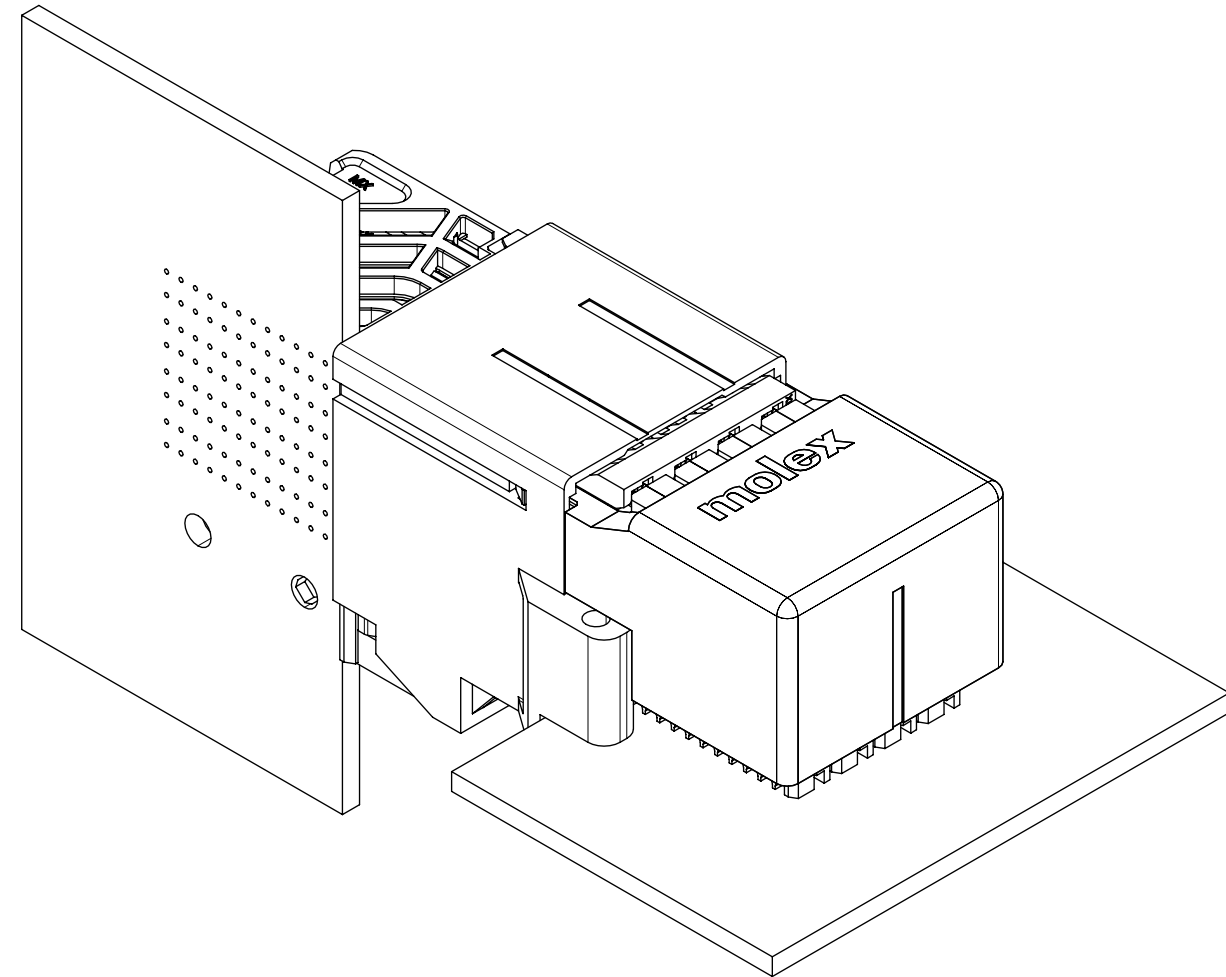
- NOTES:
- MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP)  
GLASS-FILLED, UL94V-0  
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
  - FINISH: 30μ MIN GOLD IN CONTACT AREA.  
SELECTIVE TIN ON PCB TAILS.  
NICKEL OVERALL.
  - REFER TO MOLEX PRODUCT SPECIFICATION PS-76060-999  
FOR PERFORMANCE SPECIFICATIONS AND ADDITIONAL PCB INFORMATION.
  - THIS PART CONFORMS TO CLASS B REQUIREMENTS OF  
COSMETIC SPEC PS-45499-002.
  - PACKAGE PER: PK-70873-8021.
  - SEE SHEET 3 FOR ORTHOGONAL PIN MAPPING.
  - REFER TO SHEET 3 AND 4 FOR THE MATING RECEPTACLES.
  - REFER TO MOLEX ROUTING GUIDE AS-76850-990 FOR ADDITIONAL PCB LAYOUT  
AND ROUTING RECOMMENDATIONS.
  - CONNECTORS ARE SUPPLIED WITH TWO 2-32 THREAD FORMING  
SCREWS.
  - THESE DIMENSIONS REPRESENT THE AREA NEEDED TO ACCOMODATE CONNECTOR  
INSERTION AND REPAIR ON THE PC BOARD. THIS IS REFERED TO AS THE  
"CONNECTOR KEEP OUT ZONE" AND DOES NOT REPRESENT THE ACTUAL PERIMETER  
OF THE CONNECTOR.
  - MARKING: LOCATED APPROXIMATELY AS SHOWN, ON BOTTOM OR TOP HOUSING.  
PART NUMBER AND DATE CODE.

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				<b>molex</b>	
mm	NTS								
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 705090				IMPACT ORTHOGONAL DIRECT 4 PAIR RAM 90 & 270 ASSY BOTTOM GUIDE SALES DWG	
ANGULAR TOL ± 0.5°				DRWN: MMALLIGEVALU 2018/08/31					
4 PLACES ±				CHK'D: VINODM3 2022/02/17				PRODUCT CUSTOMER DRAWING	
3 PLACES ±				APPR: LZENG 2022/05/13					
2 PLACES ± 0.13				INITIAL REVISION:				DOCUMENT NUMBER	
1 PLACE ± 0.25				DRWN: JMENDOZA 2012/10/23					
0 PLACES ±				APPR: JMENDOZA 2012/12/07				SD-171574-0003	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		SHEET NUMBER	
				C-SIZE		171574		2 OF 4	
MATERIAL NUMBER		CUSTOMER		DOC TYPE		DOC PART		REVISION	
SEE TABLE		GENERAL MARKET		PSD		001		B3	

DOCUMENT STATUS	P1	RELEASE DATE	2022/05/13	03:05:10
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# ORTHO POSITION 90°

OD-RAM PIN A1 MAPS  
TO RAF PIN M8



REFER TO MOLEX SALES DRAWING SD-76850-004  
FOR MATING RECEPTACLES.

## ORTHO PIN MAPPING


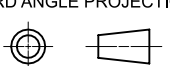
POSITION 90° (OD RAM - RAF)

(A1-M8)	A2-L8	(A3-J8)	A4-H8	(A5-F8)	A6-E8	(A7-C8)	A8-B8
B1-M7	B2-K8	B3-J7	B4-G8	B5-F7	B6-D8	B7-C7	B8-A8
C1-L7	(C2-K7)	C3-H7	(C4-G7)	C5-E7	(C6-D7)	C7-B7	(C8-A7)
(D1-M6)	D2-L6	(D3-J6)	D4-H6	(D5-F6)	D6-E6	(D7-C6)	D8-B6
E1-M5	E2-K6	E3-J5	E4-G6	E5-F5	E6-D6	E7-C5	E8-A6
F1-L5	(F2-K5)	F3-H5	(F4-G5)	F5-E5	(F6-D5)	F7-B5	(F8-A5)
(G1-M4)	G2-L4	(G3-J4)	G4-H4	(G5-F4)	G6-E4	(G7-C4)	G8-B4
H1-M3	H2-K4	H3-J3	H4-G4	H5-F3	H6-D4	H7-C3	H8-A4
J1-L3	(J2-K3)	J3-H3	(J4-G3)	J5-E3	(J6-D3)	J7-B3	(J8-A3)
(K1-M2)	K2-L2	(K3-J2)	K4-H2	(K5-F2)	K6-E2	(K7-C2)	K8-B2
L1-M1	L2-K2	L3-J1	L4-G2	L5-F1	L6-D2	L7-C1	L8-A2
M1-L1	(M2-K1)	M3-H1	(M4-G1)	M5-E1	(M6-D1)	M7-B1	(M8-A1)

NOTE: PINOUTS SHOWN IN BALLOONS ARE GROUNDS.  
GROUND PATHS ARE NOT DISCRETE CIRCUITS.

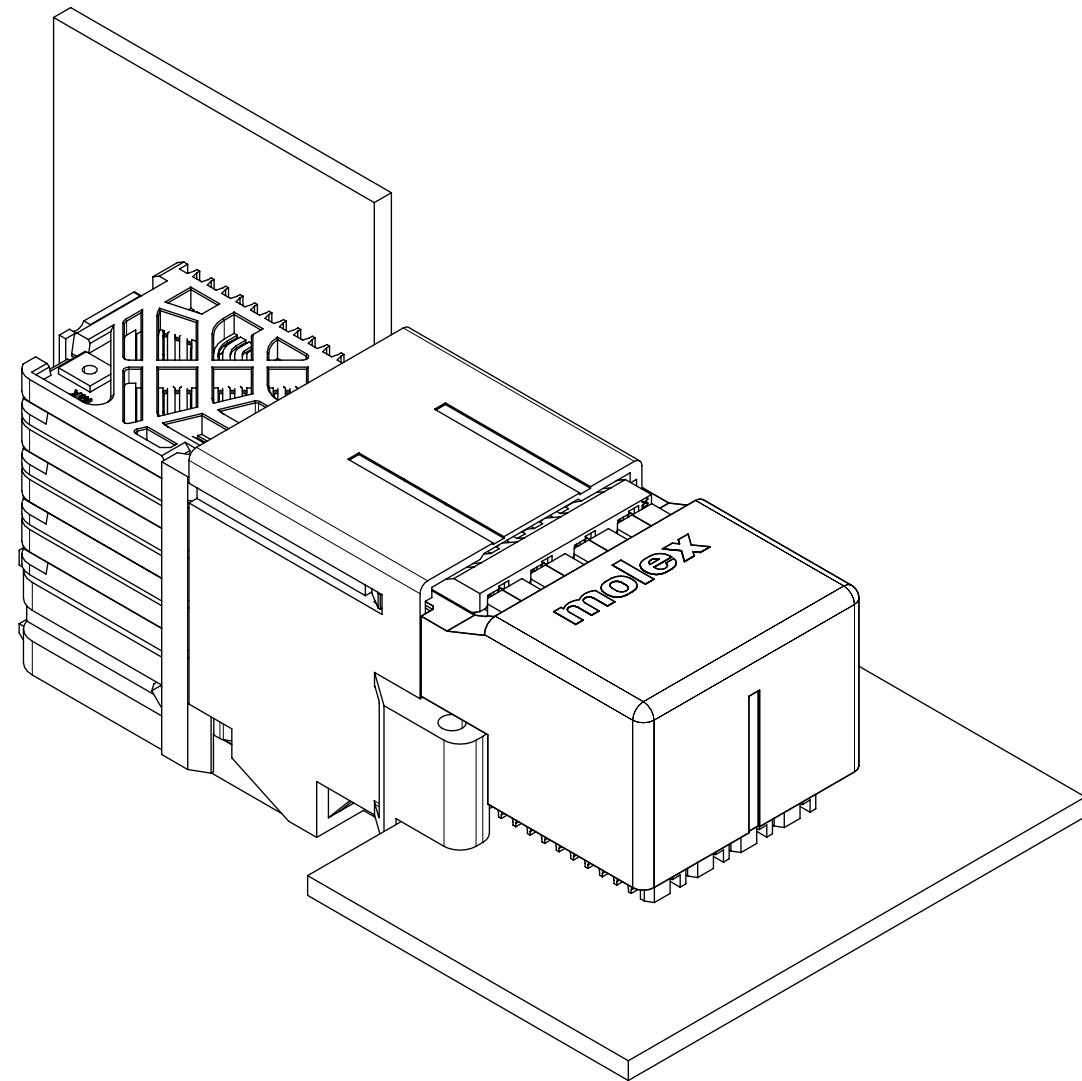
MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	MATE POSITION	DIM P	PTH Ø
171574-9804	8	32	90	4.90	0.46±0.05
171574-9805	8	32	90	5.50	0.46±0.05
171574-9807	8	32	90	4.90	0.39±0.05
171574-9808	8	32	90	5.50	0.39±0.05

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				
mm	NTS					
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 705090		IMPACT ORTHOGONAL DIRECT 4 PAIR RAM 90 & 270 ASSY BOTTOM GUIDE SALES DWG		
ANGULAR TOL	± 0.5°	DRWN: MMALLIGEVALU	2018/08/31	PRODUCT CUSTOMER DRAWING		
4 PLACES	±	CHK'D: VINODM3	2022/02/17	DOCUMENT NUMBER		
3 PLACES	±	APPR: LZENG	2022/05/13	SD-171574-0003		
2 PLACES	± 0.13	INITIAL REVISION:		DOC TYPE	DOC PART	REVISION
1 PLACE	± 0.25	DRWN: JMENDOZA	2012/10/23	PSD	001	B3
0 PLACES	±	APPR: JMENDOZA	2012/12/07	SHEET NUMBER		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER
			C-SIZE	171574	SEE TABLE	GENERAL MARKET
						3 OF 4

# ORTHO POSITION 270°

OD-RAM PIN A1 MAPS  
TO RAF PIN A1



REFER TO MOLEX SALES DRAWING SD-76850-002  
FOR MATING RECEPTACLES.

## ORTHO PIN MAPPING


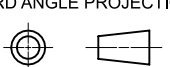
POSITION 270° (OD RAM - RAF)

(A1-A1)	A2-B1	(A3-D1)	A4-E1	(A5-G1)	A6-H1	(A7-K1)	A8-L1
B1-A2	B2-C1	B3-D2	B4-F1	B5-G2	B6-J1	B7-K2	B8-M1
C1-B2	(C2-C2)	C3-E2	(C4-F2)	C5-H2	(C6-J2)	C7-L2	(C8-M2)
(D1-A3)	D2-B3	(D3-D3)	D4-E3	(D5-G3)	D6-H3	(D7-K3)	D8-L3
E1-A4	E2-C3	E3-D4	E4-F3	E5-G4	E6-J3	E7-K4	E8-M3
F1-B4	(F2-C4)	F3-E4	(F4-F4)	F5-H4	(F6-J4)	F7-L4	(F8-M4)
(G1-A5)	G2-B5	(G3-D5)	G4-E5	(G5-G5)	G6-H5	(G7-K5)	G8-L5
H1-A6	H2-C5	H3-D6	H4-F5	H5-G6	H6-J5	H7-K6	H8-M5
J1-B6	(J2-C6)	J3-E6	(J4-F6)	J5-H6	(J6-J6)	J7-L6	(J8-M6)
(K1-A7)	K2-B7	(K3-D7)	K4-E7	(K5-G7)	K6-H7	(K7-K7)	K8-L7
L1-A8	L2-C7	L3-D8	L4-F7	L5-G8	L6-J7	L7-K8	L8-M7
M1-B8	(M2-C8)	M3-E8	(M4-F8)	M5-H8	(M6-J8)	M7-L8	(M8-M8)

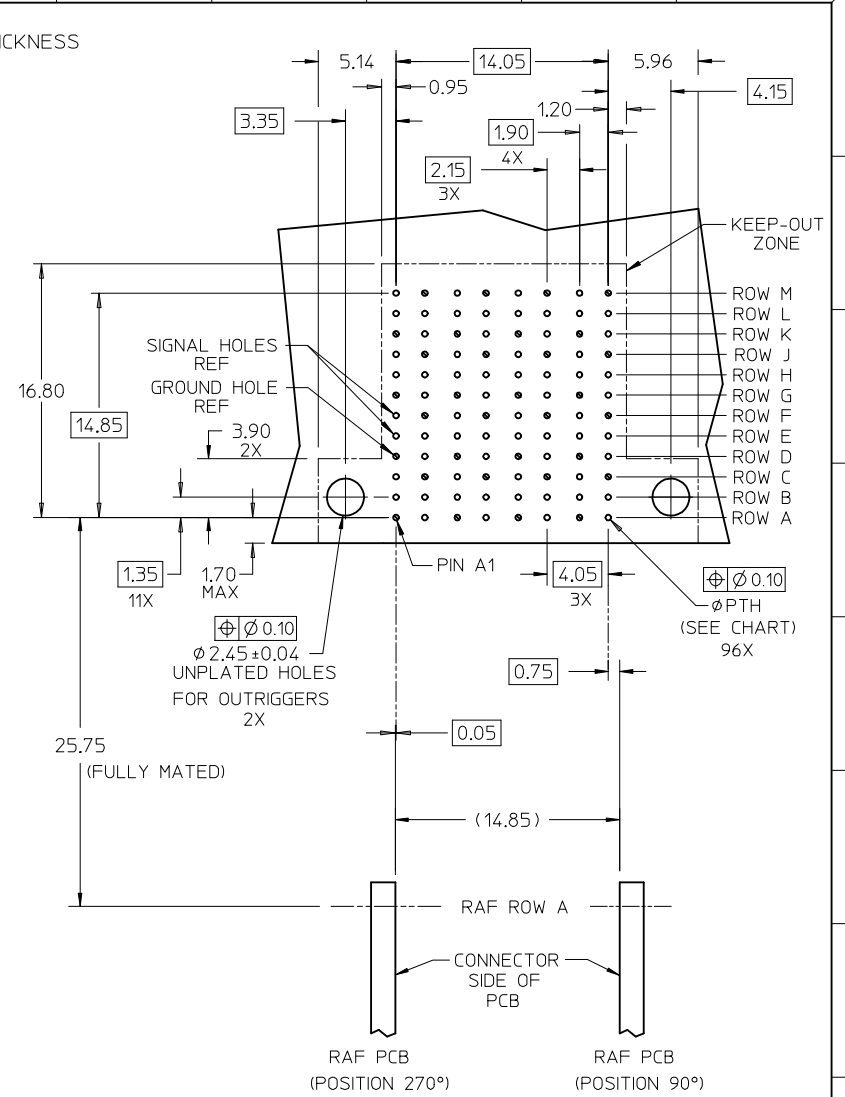
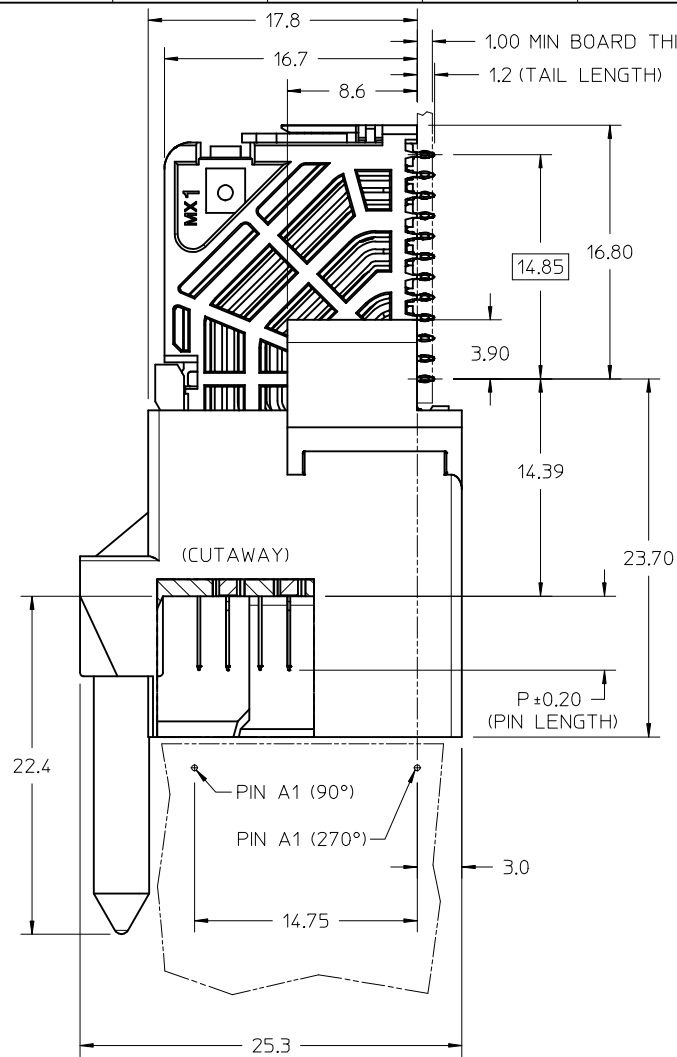
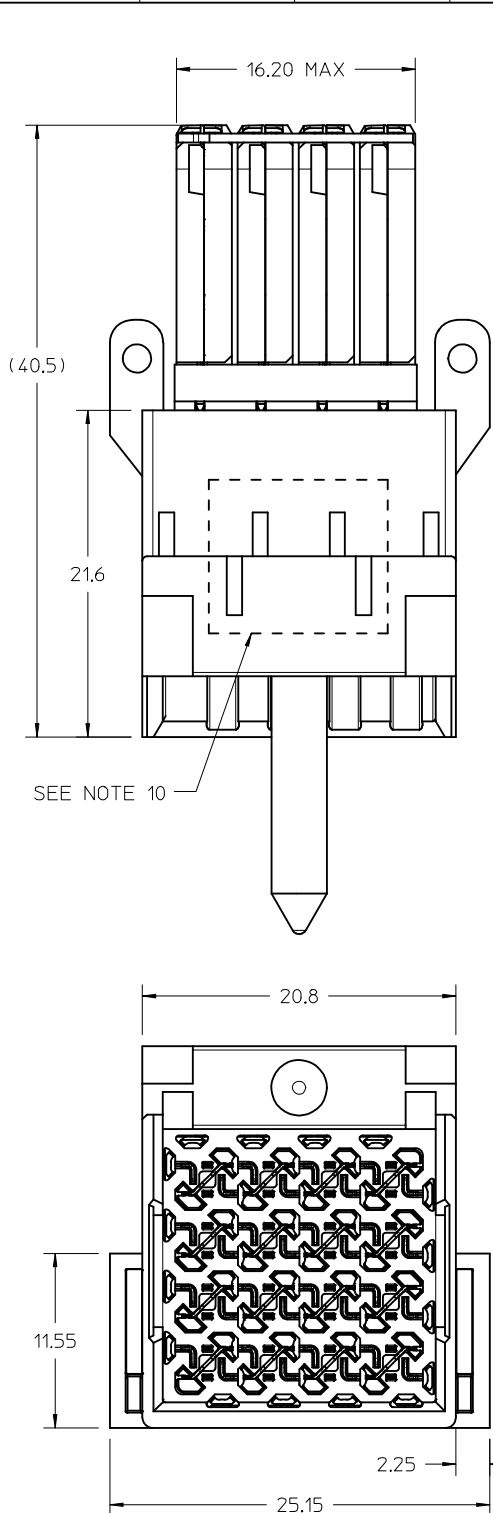
NOTE: PINOUTS SHOWN IN BALLOONS ARE GROUNDS.  
GROUND PATHS ARE NOT DISCRETE CIRCUITS.

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	MATE POSITION	DIM P	PTH Ø
171574-9834	8	32	270	4.90	0.46±0.05
171574-9835	8	32	270	5.50	0.46±0.05
171574-9837	8	32	270	4.90	0.39±0.05
171574-9838	8	32	270	5.50	0.39±0.05

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

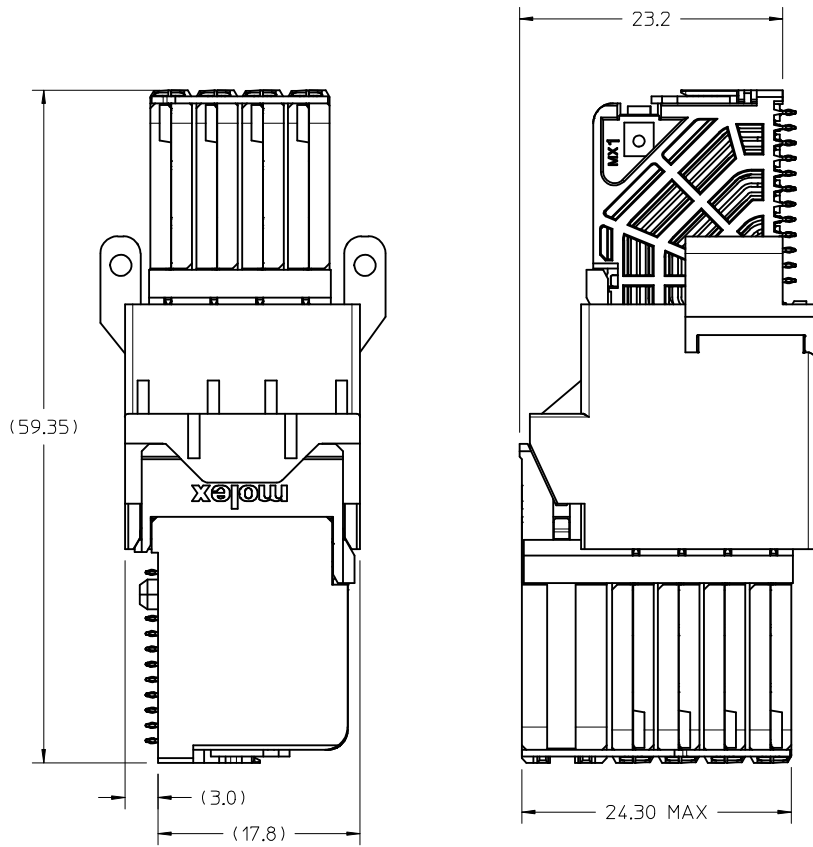
DIMENSION UNITS	SCALE	CURRENT REV DESC: MIGRATED TO NX					
mm	NTS						
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 705090		IMPACT ORTHOGONAL DIRECT			
ANGULAR TOL	± 0.5°	DRWN: MMALLIGEVALU 2018/08/31		4 PAIR RAM 90 & 270 ASSY BOTTOM GUIDE SALES DWG			
4 PLACES	±	CHK'D: VINODM3 2022/02/17		PRODUCT CUSTOMER DRAWING			
3 PLACES	±	APPR: LZENG 2022/05/13		DOCUMENT NUMBER			
2 PLACES	± 0.13	INITIAL REVISION:		SD-171574-0003			
1 PLACE	± 0.25	DRWN: JMENDOZA 2012/10/23		DOC TYPE	DOC PART	REVISION	
0 PLACES	±	APPR: JMENDOZA 2012/12/07		PSD	001	B3	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
			C-SIZE	171574	SEE TABLE	GENERAL MARKET	4 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2022/05/13 03:05:10
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OD-RAM HOLE PATTERN  
(CONNECTOR SIDE)

<b>ADD LASER MARK INFO</b> EC NO: UCP2016-3973 DRWN: JMENDOZA CHKD: TELO APPR: TELO 2011/05/12 2016/02/22 2016/04/20	<b>QUALITY SYMBOLS</b> ▽=0 ▽=0	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b>		<b>DIMENSION STYLE</b> MM ONLY	<b>SCALE</b> 4:1	<b>DESIGN UNITS</b> METRIC	THIRD ANGLE PROJECTION			
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± ---	mm INCH	DRAWN BY DATE JLAURX 2009/08/14	CHECKED BY DATE JMENDOZA 2011/02/03	<b>TITLE</b> IMPACT ORTHOGONAL DIRECT 4 PAIR RAM ASSEMBLY TOP GUIDE SALES DRAWING				
		ANGULAR ± 1/2°		APPROVED BY DATE JB INGHAM 2011/04/11	<b>MATERIAL NO.</b> SEE CHART				<b>DOCUMENT NO.</b> SD-76730-002	<b>SHEET NO.</b> 1 OF 3
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		<b>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</b>						

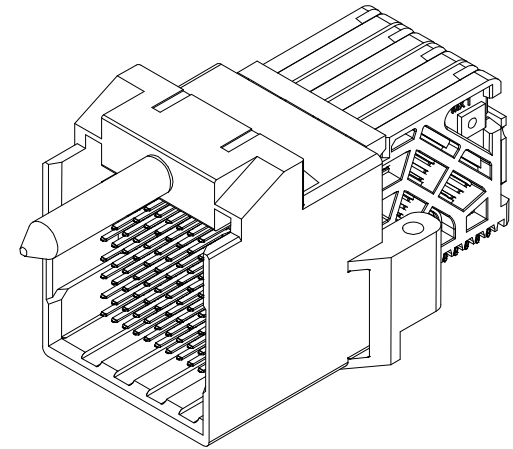


**MATED DIMENSIONS**  
(POSITION 270° SHOWN)

- 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 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. PACKAGE PER: PK-70873-8008.
  6. SEE SHEET 3 FOR ORTHOGONAL PIN MAPPING.
  7. REFER TO MOLEX SALES DRAWINGS SD-76850-002 AND SD-76850-004 FOR  
THE MATING RECEPTACLES.
  8. REFER TO MOLEX ROUTING GUIDE AS-76850-990 FOR ADDITIONAL PCB LAYOUT  
AND ROUTING RECOMMENDATIONS.
  9. CONNECTORS ARE SUPPLIED WITH TWO 2-32 THREAD FORMING  
SCREWS.
  10. MARKING: LOCATED APPROXIMATELY AS SHOWN, ON BOTTOM OR TOP HOUSING,  
PART NUMBER AND DATE CODE.

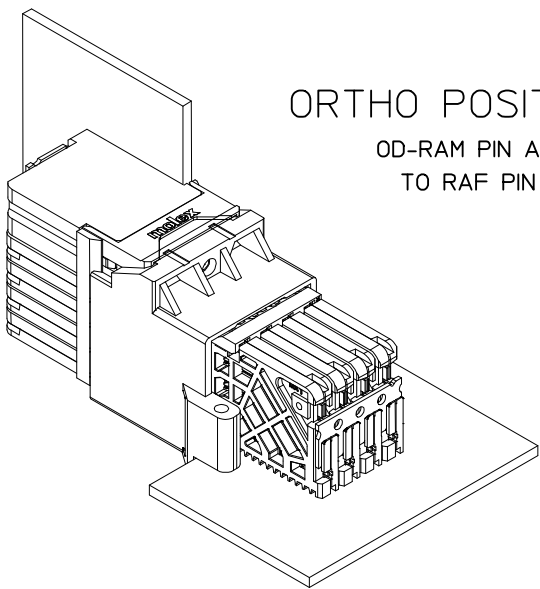
MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	DIM P	PTH $\phi$
76730-7804	8	32	4.90	0.46±0.05
76730-7805	8	32	5.50	0.46±0.05
76730-7807	8	32	4.90	0.39±0.05
76730-7808	8	32	5.50	0.39±0.05

76730-780\*  
 MODULE TYPE \_\_\_\_\_ PIN LENGTH (P)  
 7 = TOP GUIDED, TIN 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 \_\_\_\_\_  
 8 = 8 COLUMN



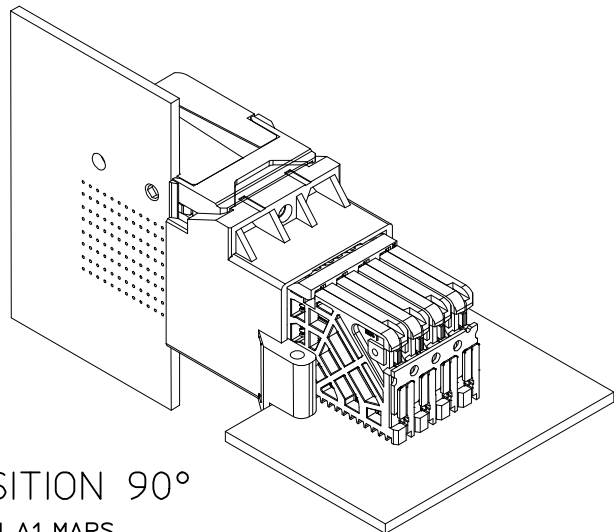
<b>SEE SHEET 1</b> EC NO: UCP2016-3973 DRWN: JMENDOZA 2011/05/12 CHKD: TELO 2016/02/22 APPR: TELO 2016/04/20 REV: A1	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>MM ONLY</b>	SCALE <b>3:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION		
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± ---	mm INCH	DRAWN BY DATE JLAURX 2009/08/14	CHECKED BY DATE JMENDOZA 2011/02/03	TITLE <b>IMPACT ORTHOGONAL DIRECT          4 PAIR RAM ASSEMBLY          TOP GUIDE SALES DRAWING</b>			
		ANGULAR ±1/2°		APPROVED BY DATE JB INGHAM 2011/04/11	MOLEX MOLEX INCORPORATED				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. <b>SEE CHART</b>	DOCUMENT NO. <b>SD-76730-002</b>	SHEET NO. <b>2 OF 3</b>			

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



**ORTHO POSITION 270°**  
OD-RAM PIN A1 MAPS  
TO RAF PIN A1

ORTHO PIN MAPPING							
POSITION 270° (OD RAM - RAF)							
(A1-A1)	A2-B1	(A3-D1)	A4-E1	(A5-G1)	A6-H1	(A7-K1)	A8-L1
B1-A2	B2-C1	B3-D2	B4-F1	B5-G2	B6-J1	B7-K2	B8-M1
C1-B2	(C2-C2)	C3-E2	(C4-F2)	C5-H2	(C6-J2)	C7-L2	(C8-M2)
(D1-A3)	D2-B3	(D3-D3)	D4-E3	(D5-G3)	D6-H3	(D7-K3)	D8-L3
E1-A4	E2-C3	E3-D4	E4-F3	E5-G4	E6-J3	E7-K4	E8-M3
F1-B4	(F2-C4)	F3-E4	(F4-F4)	F5-H4	(F6-J4)	F7-L4	(F8-M4)
(G1-A5)	G2-B5	(G3-D5)	G4-E5	(G5-G5)	G6-H5	(G7-K5)	G8-L5
H1-A6	H2-C5	H3-D6	H4-F5	H5-G6	H6-J5	H7-K6	H8-M5
J1-B6	(J2-C6)	J3-E6	(J4-F6)	J5-H6	(J6-J6)	J7-L6	(J8-M6)
(K1-A7)	K2-B7	(K3-D7)	K4-E7	(K5-G7)	K6-H7	(K7-K7)	K8-L7
L1-A8	L2-C7	L3-D8	L4-F7	L5-G8	L6-J7	L7-K8	L8-M7
M1-B8	(M2-C8)	M3-E8	(M4-F8)	M5-H8	(M6-J8)	M7-L8	(M8-M8)



**ORTHO POSITION 90°**  
OD-RAM PIN A1 MAPS  
TO RAF PIN M8

ORTHO PIN MAPPING							
POSITION 90° (OD RAM - RAF)							
(A1-M8)	A2-L8	(A3-J8)	A4-H8	(A5-F8)	A6-E8	(A7-C8)	A8-B8
B1-M7	B2-K8	B3-J7	B4-G8	B5-F7	B6-D8	B7-C7	B8-A8
C1-L7	(C2-K7)	C3-H7	(C4-G7)	C5-E7	(C6-D7)	C7-B7	(C8-A7)
(D1-M6)	D2-L6	(D3-J6)	D4-H6	(D5-F6)	D6-E6	(D7-C6)	D8-B6
E1-M5	E2-K6	E3-J5	E4-G6	E5-F5	E6-D6	E7-C5	E8-A6
F1-L5	(F2-K5)	F3-H5	(F4-G5)	F5-E5	(F6-D5)	F7-B5	(F8-A5)
(G1-M4)	G2-L4	(G3-J4)	G4-H4	(G5-F4)	G6-E4	(G7-C4)	G8-B4
H1-M3	H2-K4	H3-J3	H4-G4	H5-F3	H6-D4	H7-C3	H8-A4
J1-L3	(J2-K3)	J3-H3	(J4-G3)	J5-E3	(J6-D3)	J7-B3	(J8-A3)
(K1-M2)	K2-L2	(K3-J2)	K4-H2	(K5-F2)	K6-E2	(K7-C2)	K8-B2
L1-M1	L2-K2	L3-J1	L4-G2	L5-F1	L6-D2	L7-C1	L8-A2
M1-L1	(M2-K1)	M3-H1	(M4-G1)	M5-E1	(M6-D1)	M7-B1	(M8-A1)

NOTE: PINOUTS SHOWN IN BALLOONS ARE GROUNDS.  
GROUND PATHS ARE NOT DISCRETE CIRCUITS.

SEE SHEET 1 EC NO: UCP2016-3973 DRAWN: JMEMDOZA 2011/05/12 CHKD: TELO 2016/02/22 APPR: TELO 2016/04/20	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>MM ONLY</b>	SCALE <b>2:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION																
		<table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.13</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.25</td> <td>± ---</td> </tr> </table>			mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.13	± ---	1 PLACE	± 0.25	± ---	DRAWN BY JLAURX DATE 2009/08/14		TITLE <b>IMPACT ORTHOGONAL DIRECT 4 PAIR RAM ASSEMBLY TOP GUIDE SALES DRAWING</b>		
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ANGULAR ±1/2°		CHECKED BY JMENDOZA DATE 2011/02/03		APPROVED BY JB INGHAM DATE 2011/04/11			MOLEX INCORPORATED DOCUMENT NO. <b>SD-76730-002</b>																
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SHEET NO. <b>3 OF 3</b>																			
A1	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																					