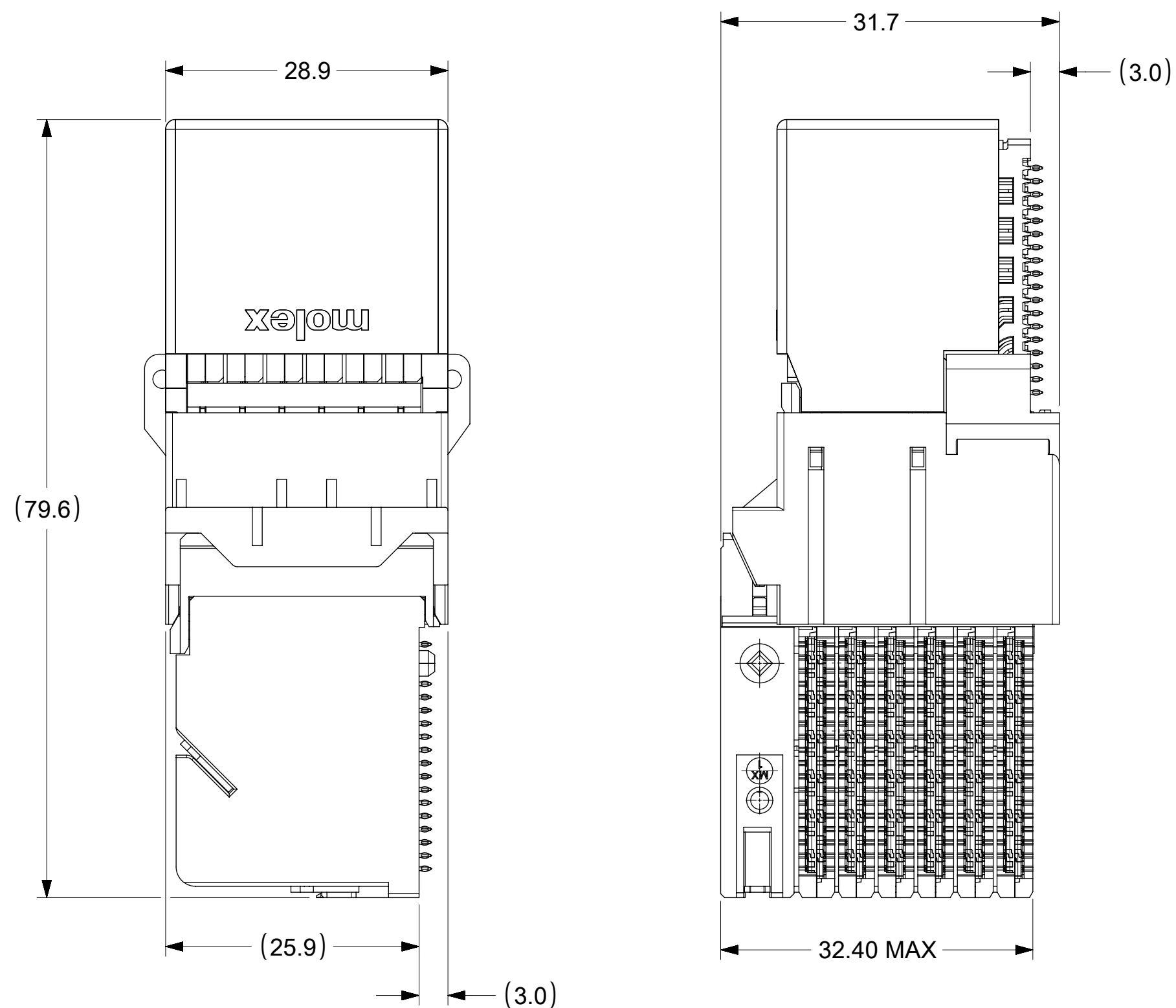


## OD-RAM HOLE PATTERN (CONNECTOR SIDE)

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 6 PAIR RAM 90 &amp; 270 ASSY TOP GUIDE SALES DRAWING</p> <p>PRODUCT CUSTOMER DRAWING</p> <table border="1"> <tr> <td>DOCUMENT NUMBER</td> <td>DOC TYPE</td> <td>DOC PART</td> <td>REVISION</td> </tr> <tr> <td>SD-171576-0002</td> <td>PSD</td> <td>001</td> <td>B3</td> </tr> </table>						DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION	SD-171576-0002	PSD	001	B3
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION														
SD-171576-0002	PSD	001	B3														
GENERAL TOLERANCES (UNLESS SPECIFIED)																	
ANGULAR TOL	±	0.5°															
4 PLACES	±																
3 PLACES	±																
2 PLACES	±	0.13															
1 PLACE	±	0.25															
0 PLACES	±																
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES									
						C-SIZE		171576									
DOCUMENT STATUS				P1		RELEASE DATE		2022/05/13 03:05:13									
EC NO: 705090				DRWN: AAPPAROTHAKK		2018/09/18											
CHK'D: VINODM3				2022/02/17													
APPR: LZENG				2022/05/13													
INITIAL REVISION:				DRWN: JMENDOZA		2012/04/13											
				APPR: JMENDOZA		2012/06/08											
MATERIAL NUMBER				CUSTOMER		SHEET NUMBER											
SEE CHART				GENERAL MARKET		1 OF 4											



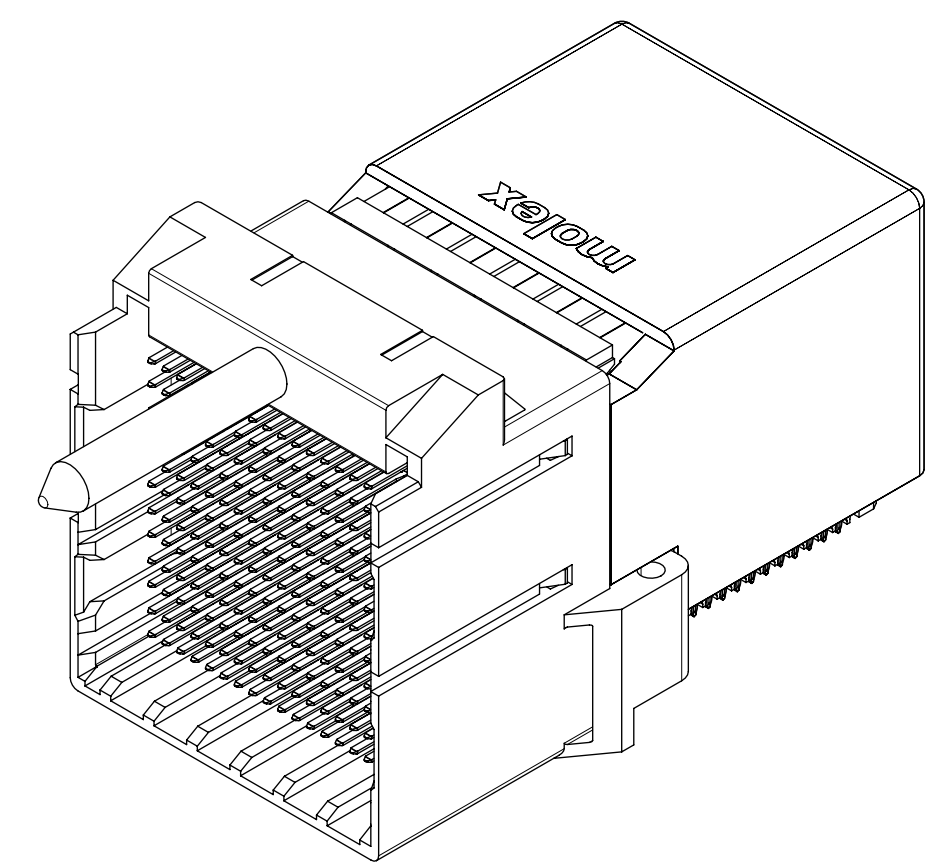
**171576-72\*\***

MODULE TYPE  
7 = TOP GUIDED, TIN

# OF COLUMNS  
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)

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-70873-8024.
  - SEE SHEETS 3 AND 4 FOR ORTHOGONAL PIN MAPPING.
  - REFER TO SHEETS 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 REFERRED 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 OF THE 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 6 PAIR RAM 90 & 270 ASSY TOP GUIDE SALES DRAWING	
ANGULAR TOL ± 0.5°				DRWN: AAPPAROTHAKK 2018/09/18					
4 PLACES ±				CHK'D: VINODM3 2022/02/17					
3 PLACES ±				APPR: LZENG 2022/05/13				PRODUCT CUSTOMER DRAWING	
2 PLACES ± 0.13				INITIAL REVISION:				DOCUMENT NUMBER	
1 PLACE ± 0.25				DRWN: JMENDOZA 2012/04/13				SD-171576-0002	
0 PLACES ±				APPR: JMENDOZA 2012/06/08				DOC TYPE DOC PART REVISION	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SHEET NUMBER	
				C-SIZE		SERIES		MATERIAL NUMBER CUSTOMER	
				C-SIZE		171576		SEE CHART GENERAL MARKET	
								PSD 001 B3	
								2 OF 4	

# ORTHO PIN MAPPING

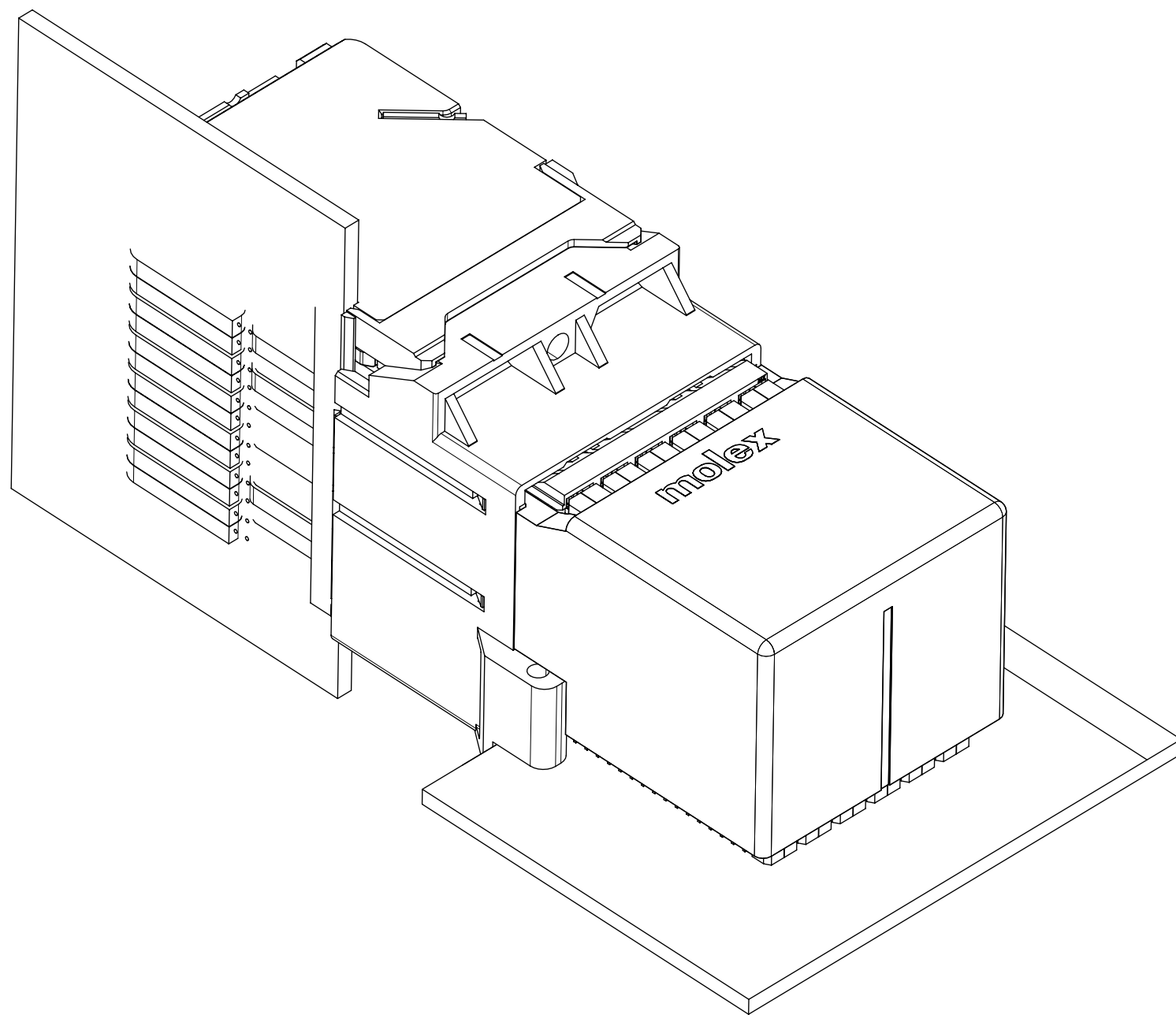
## OPTION 90 (NEAR SIDE - FAR SIDE)

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.  
GROUND PATHS ARE NOT DISCRETE CIRCUITS.

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	MATE POSITION	DIM P	PTH Ø
171576-7204	12	72	90	4.90	0.46±0.05
171576-7205	12	72	90	5.50	0.46±0.05
171576-7207	12	72	90	4.90	0.39±0.05
171576-7208	12	72	90	5.50	0.39±0.05

OD-RAM PIN A1 MAPS TO RAF PIN T12

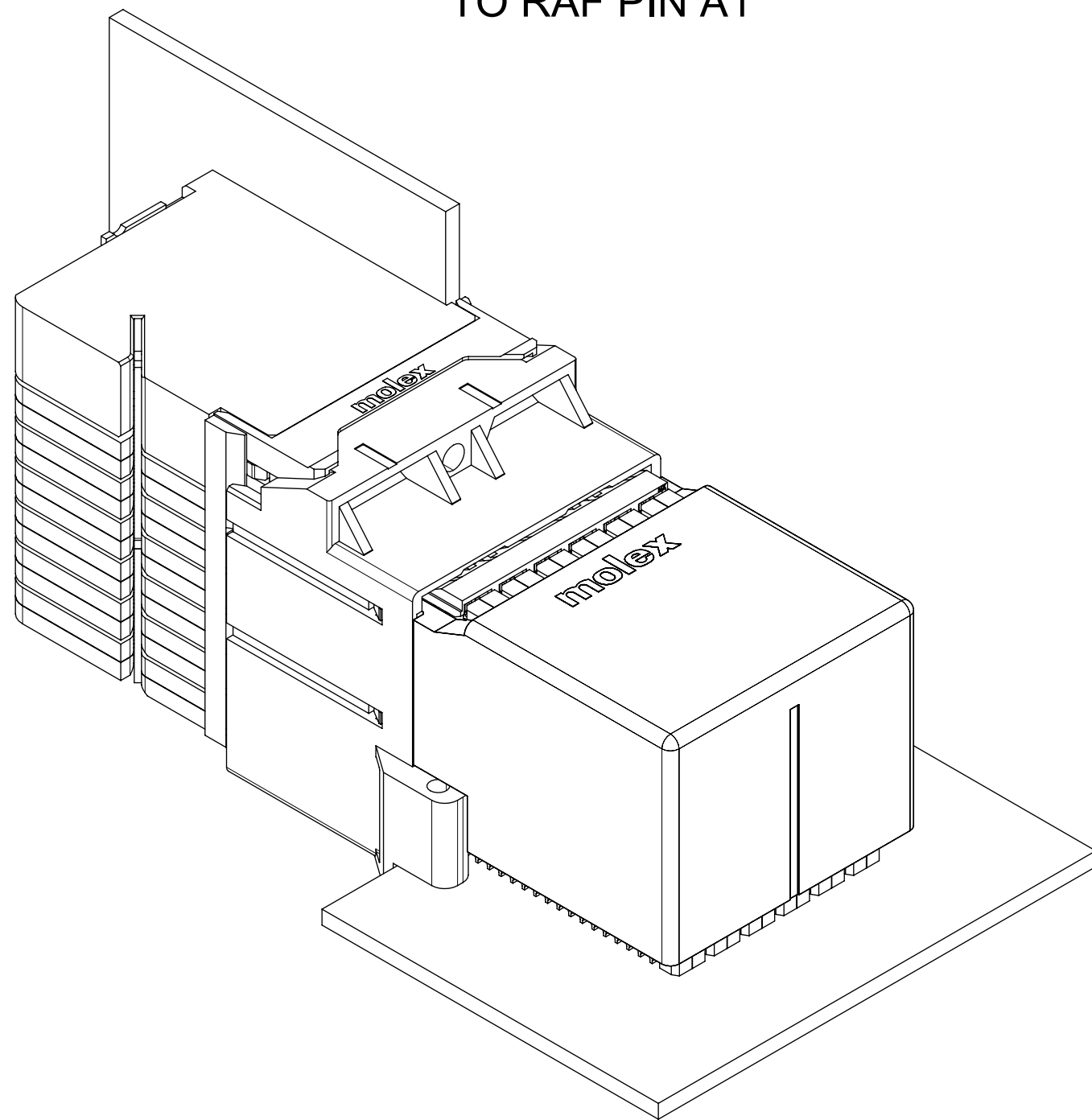


REFER TO MOLEX SALES DRAWING SD-76290-002 FOR MATING RECEPTACLES.

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 6 PAIR RAM 90 & 270 ASSY TOP GUIDE SALES DRAWING PRODUCT CUSTOMER DRAWING		
ANGULAR TOL	± 0.5°	DRWN: AAPPAROTHAKK 2018/09/18				
4 PLACES	±	CHK'D: VINODM3 2022/02/17		DOCUMENT NUMBER <b>SD-171576-0002</b>		
3 PLACES	±	APPR: LZENG 2022/05/13				
2 PLACES	± 0.13	INITIAL REVISION:		PSD	001	B3
1 PLACE	± 0.25	DRWN: JMENDOZA 2012/04/13		MATERIAL NUMBER SEE CHART		
0 PLACES	±	APPR: JMENDOZA 2012/06/08				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	SHEET NUMBER	
			C-SIZE	171576	3 OF 4	

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



REFER TO MOLEX SALES DRAWING SD-76290-004  
FOR MATING RECEPTACLES.

**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	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.  
GROUND PATHS ARE NOT DISCRETE CIRCUITS.

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	MATE POSITION	DIM P	PTH Ø
171576-7234	12	72	270	4.90	0.46±0.05
171576-7235	12	72	270	5.50	0.46±0.05
171576-7237	12	72	270	4.90	0.39±0.05
171576-7238	12	72	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 <b>mm</b>	SCALE <b>NTS</b>	CURRENT REV DESC: MIGRATED TO NX			
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 705090			
ANGULAR TOL ± 0.5°		DRWN: AAPPAROTHAKK 2018/09/18	PRODUCT CUSTOMER DRAWING		
4 PLACES ±		CHK'D: VINODM3 2022/02/17	DOCUMENT NUMBER		
3 PLACES ±		APPR: LZENG 2022/05/13	SD-171576-0002		
2 PLACES ± 0.13		INITIAL REVISION:	DOC TYPE	DOC PART	REVISION
1 PLACE ± 0.25		DRWN: JMENDOZA 2012/04/13	PSD	001	B3
0 PLACES ±		APPR: JMENDOZA 2012/06/08	SHEET NUMBER		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING C-SIZE	SERIES 171576	MATERIAL NUMBER SEE CHART	CUSTOMER GENERAL MARKET