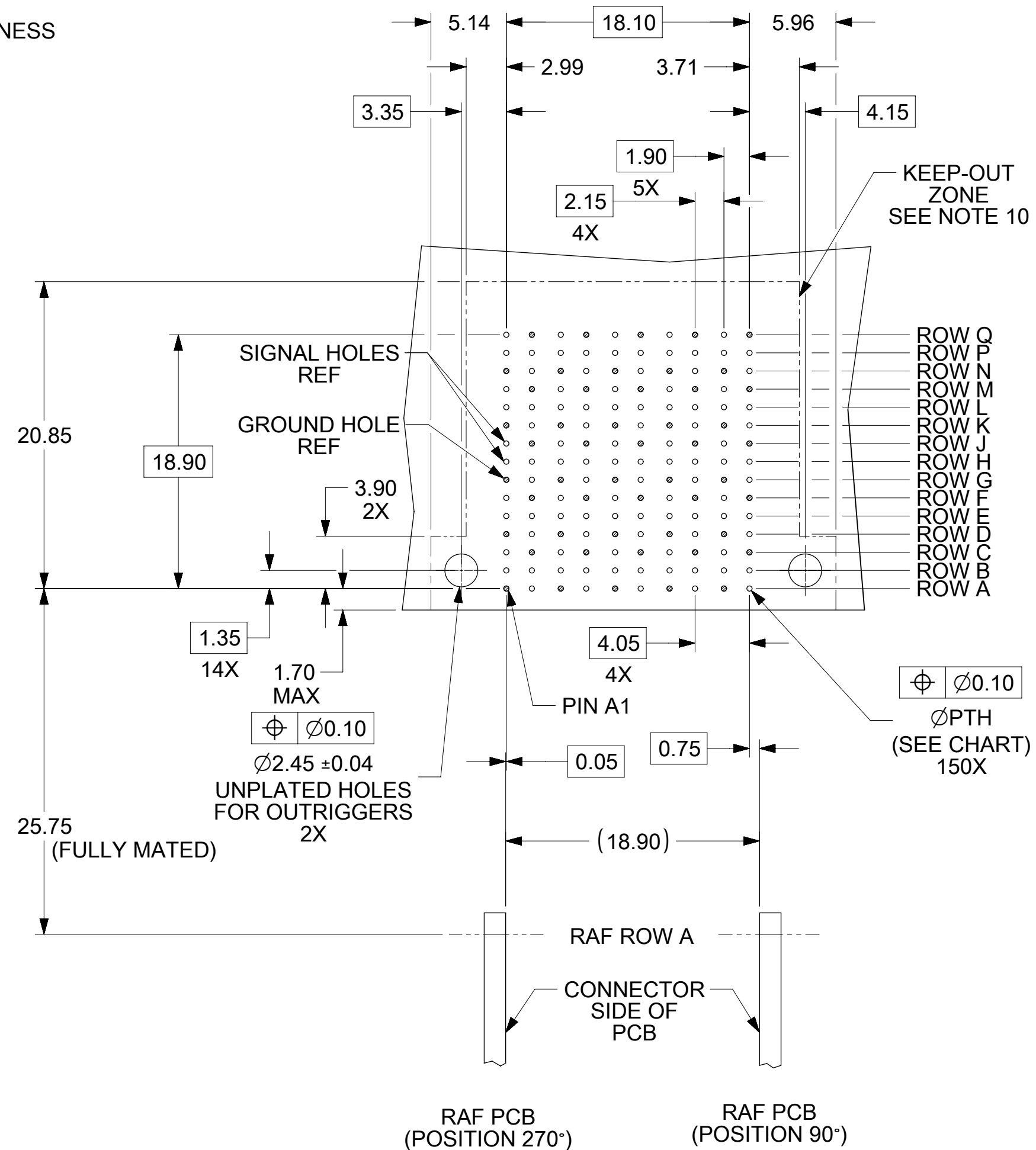
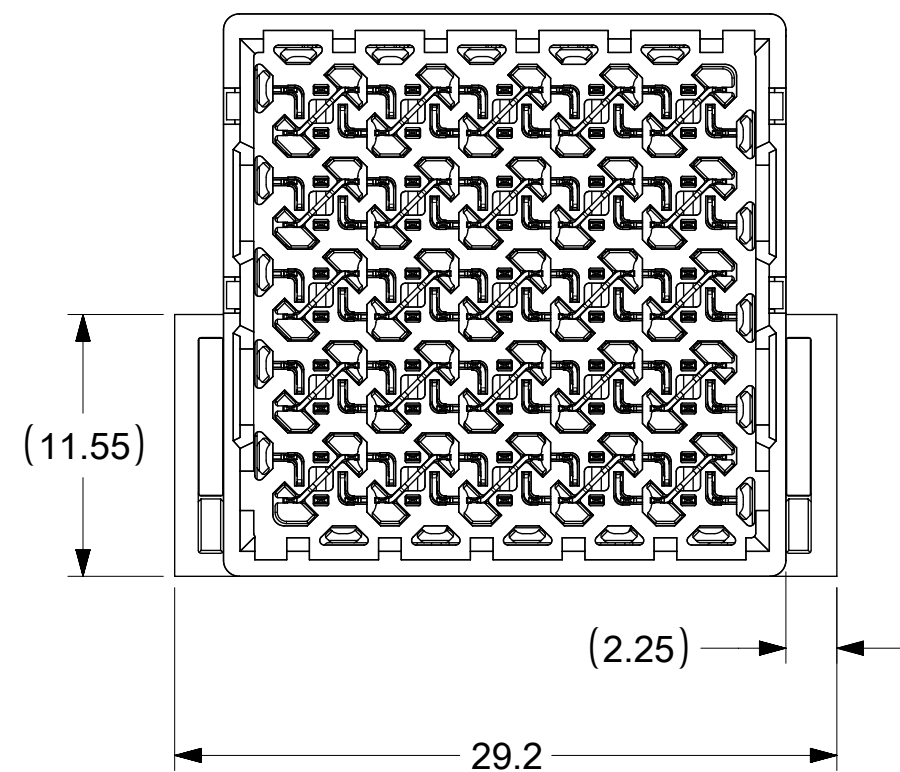
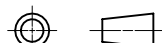
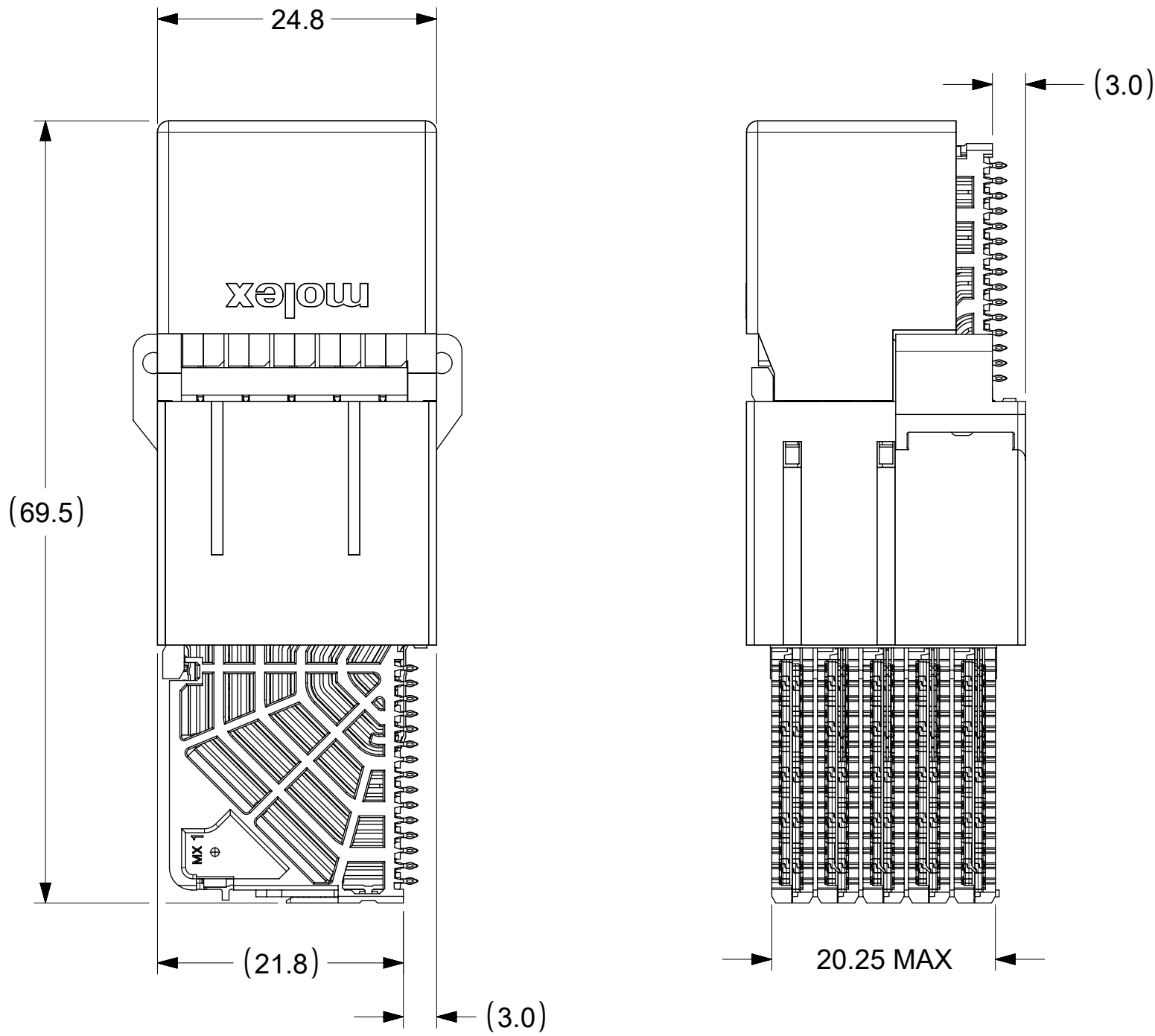




OD-RAM HOLE PATTERN (CONNECTOR SIDE)

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										
GENERAL TOLERANCES (UNLESS SPECIFIED)								IMPACT ORTHOGONAL DIRECT 5 PAIR RAM 90 & 270 ASSY UNGUIDED SALES DRAWING				
ANGULAR TOL		± 0.5 °										
4 PLACES		±										
3 PLACES		±		EC NO: 705090 DRWN: TMARRI 2018/09/18 CHK'D: VINODM3 2022/02/17 APPR: LZENG 2022/05/13				PRODUCT CUSTOMER DRAWING				
2 PLACES		± 0.13										
1 PLACE		± 0.25						DOCUMENT NUMBER				DOC TYPE
0 PLACES		±		INITIAL REVISION: DRWN: JMENDOZA 2012/04/13 APPR: TELO 2013/12/26				SD-171575-0001		PSD	001	B3
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
						C-SIZE	171575	SEE CHART		GENERAL MARKET		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-70873-8022.
 - SEE SHEET 3 AND 4 FOR ORTHOGONAL PIN MAPPING.
 - REFER TO MOLEX SALES DRAWING SD-76990-001 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 SCREWS P/N 73726-0000.
(9.50mm±0.38 THREADABLE SCREW LENGTH). THE MAXIMUM BOARD THICKNESS IS 4.4mm.
 - 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 THE BOTTOM OR TOP OF
HOUSING. PART NUMBER AND DATE CODE.

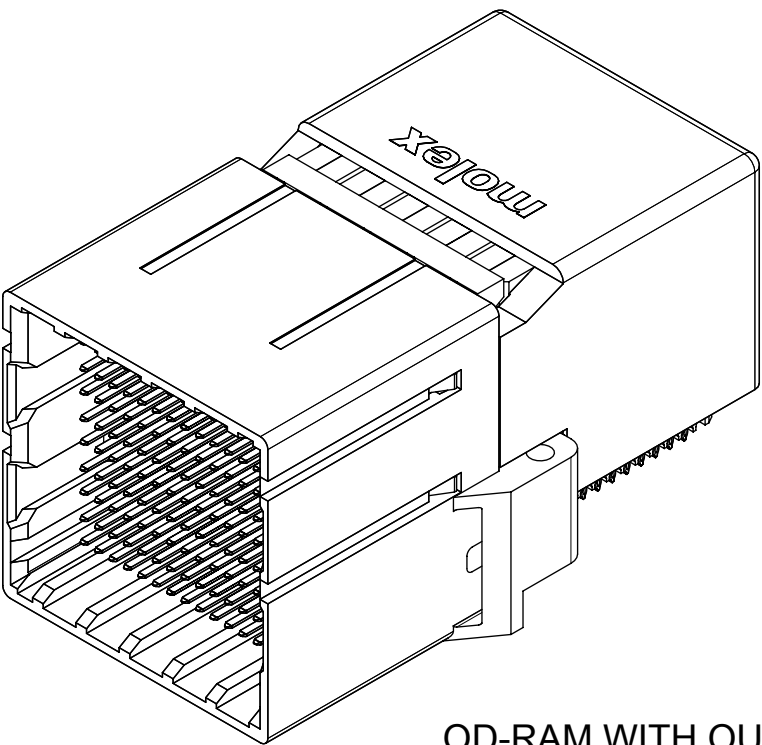
171575-11**

MODULE TYPE
1 = UNGUIDED, TIN

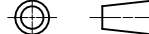
OF COLUMNS
1 = 10 COLUMN

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

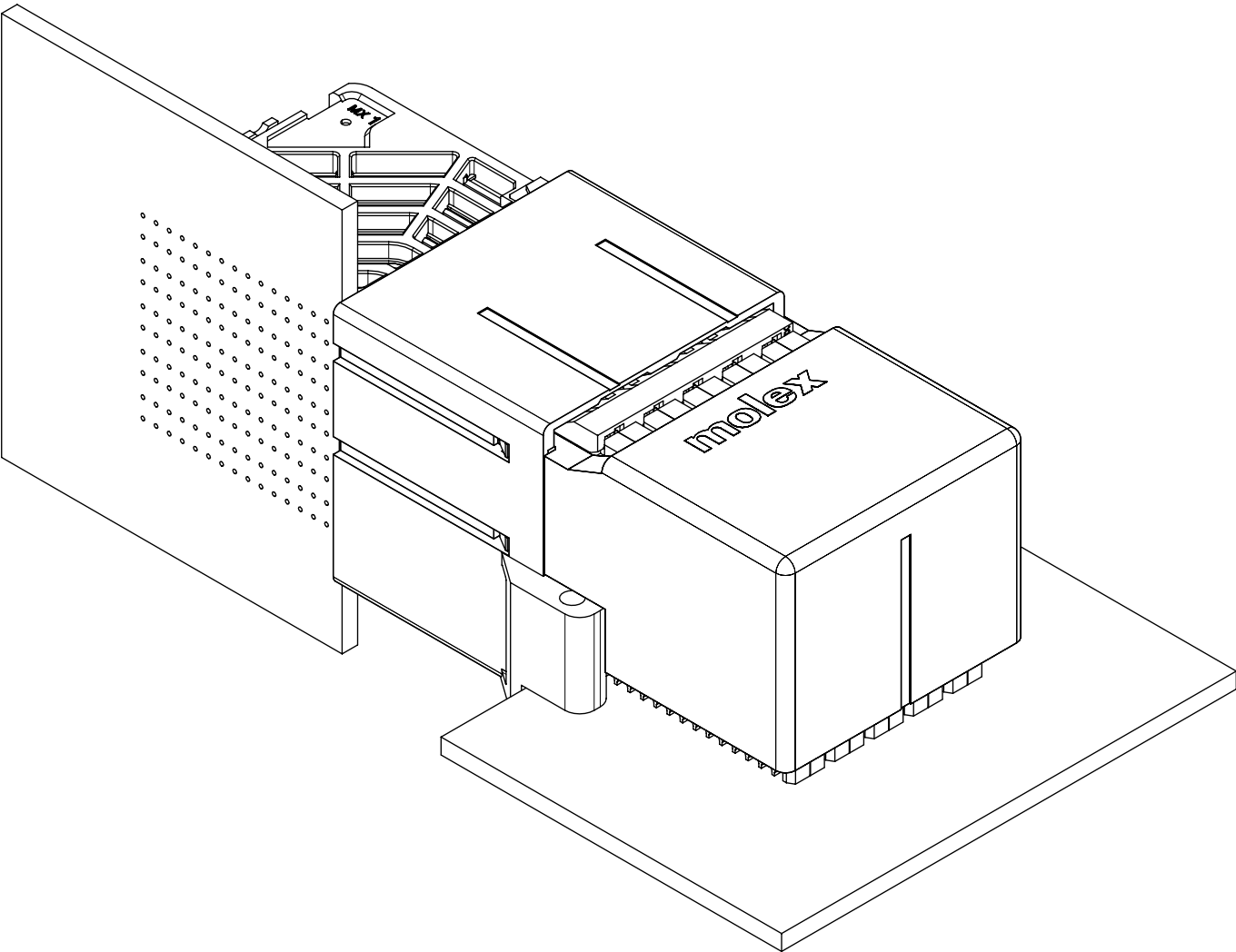


OD-RAM WITH OUTRIGGERS

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 EC NO: 705090 DRWN: TMARRI 2018/09/18 CHK'D: VINODM3 2022/02/17 APPR: LZENG 2022/05/13 INITIAL REVISION: DRWN: JMENDOZA 2012/04/13 APPR: TELO 2013/12/26				molex							
MM		NTS						IMPACT ORTHOGONAL DIRECT 5 PAIR RAM 90 & 270 ASSY UNGUIDED SALES DRAWING							
GENERAL TOLERANCES (UNLESS SPECIFIED)								PRODUCT CUSTOMER DRAWING							
ANGULAR TOL		± 0.5 °						DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
4 PLACES		±						SD-171575-0001		PSD		001		B3	
3 PLACES		±													
2 PLACES		± 0.13													
1 PLACE		± 0.25													
0 PLACES		±													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						C-SIZE		171575		SEE CHART		GENERAL MARKET		2 OF 4	

ORTHO POSITION 90°

OD-RAM PIN A1 MAPS
TO RAF PIN Q10



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

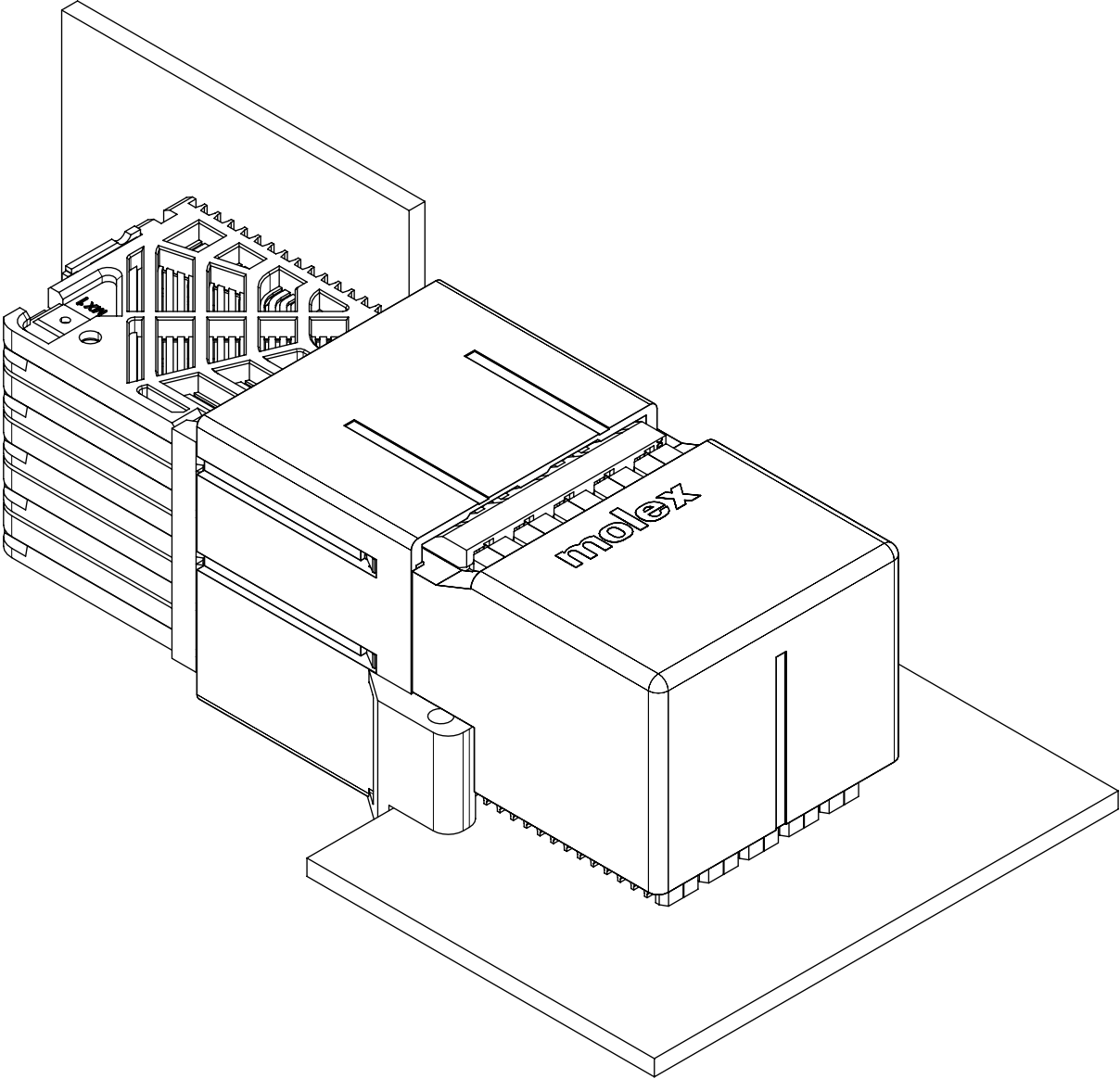
NOTE: PINOUTS SHOWN IN BALLOONS ARE GROUNDS.
GROUND PATHS ARE NOT DISCRETE CIRCUITS.

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	MATE POSITION	DIM P	PTH Ø
171575-1114	10	50	90	4.90	0.46±0.05
171575-1115	10	50	90	5.50	0.46±0.05
171575-1117	10	50	90	4.90	0.39±0.05
171575-1118	10	50	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			molex						
MM		NTS											
GENERAL TOLERANCES (UNLESS SPECIFIED)				IMPACT ORTHOGONAL DIRECT 5 PAIR RAM 90 & 270 ASSY UNGUIDED SALES DRAWING									
ANGULAR TOL ± 0.5 °													
4 PLACES		±		EC NO: 705090			PRODUCT CUSTOMER DRAWING						
3 PLACES		±		DRWN: TMARRI 2018/09/18									
2 PLACES		± 0.13		CHK'D: VINODM3 2022/02/17									
1 PLACE		± 0.25		APPR: LZENG 2022/05/13			DOCUMENT NUMBER SD-171575-0001						
0 PLACES		±		INITIAL REVISION:						DOC TYPE	DOC PART	REVISION	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION			DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER	SHEET NUMBER	
						C-SIZE	171575	SEE CHART		GENERAL MARKET		3 OF 4	
				DRWN: JMENDOZA 2012/04/13			B3						
				APPR: TELO 2013/12/26									

DOCUMENT STATUS	P1	RELEASE DATE	2022/05/13	03:05:12
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ORTHO POSITION 270°
OD-RAM PIN A1 MAPS
TO RAF PIN A1



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.
GROUND PATHS ARE NOT DISCRETE CIRCUITS.

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	MATE POSITION	DIM P	PTH Ø
171575-1134	10	50	270	4.90	0.46±0.05
171575-1135	10	50	270	5.50	0.46±0.05
171575-1137	10	50	270	4.90	0.39±0.05
171575-1138	10	50	270	5.50	0.39±0.05

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DIMENSION UNITS

SCALE

MM

NTS

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

C-SIZE

SERIES

171575

MATERIAL NUMBER

SEE CHART

CUSTOMER

GENERAL MARKET

SHEET NUMBER

4 OF 4

CURRENT REV DESC: MIGRATED TO NX

EC NO: 705090

DRWN: TMARRI

CHK'D: VINODM3

APPR: LZENG

2018/09/18

2022/02/17

2022/05/13

INITIAL REVISION:

DRWN: JMEMDOZA

APPR: TELO

2012/04/13

2013/12/26

mo

lex

IMPACT ORTHOGONAL DIRECT

5 PAIR RAM 90 & 270 ASSY UNGUIDED SALES

DRAWING

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

SD-171575-0001

DOC TYPE

PSD

DOC PART

001

REVISION

B3

DOCUMENT STATUS

P1

RELEASE DATE

2022/05/13

03:05:12

12

11

10

9

8

7

6

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4

3

2

1