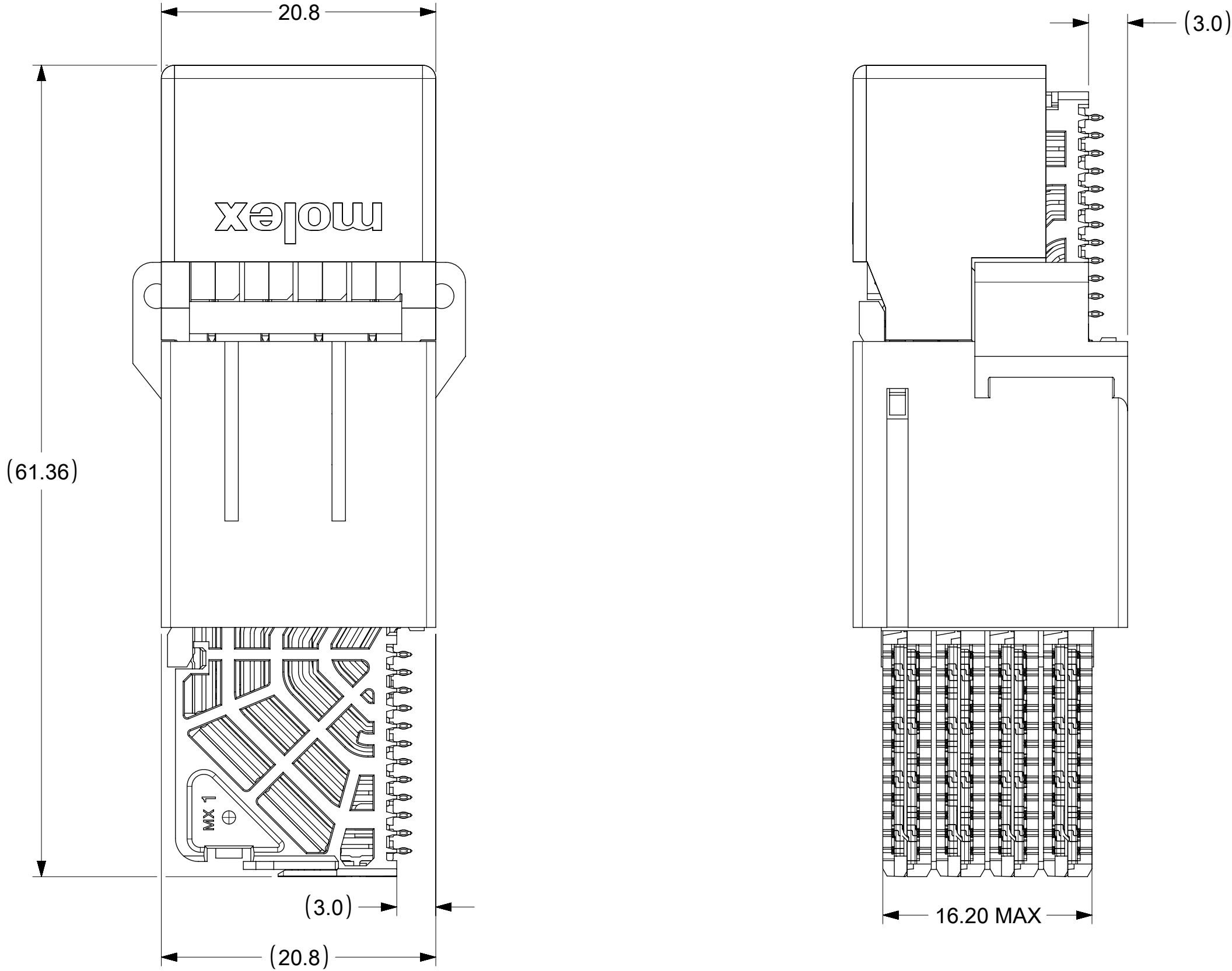




171574-18**

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)

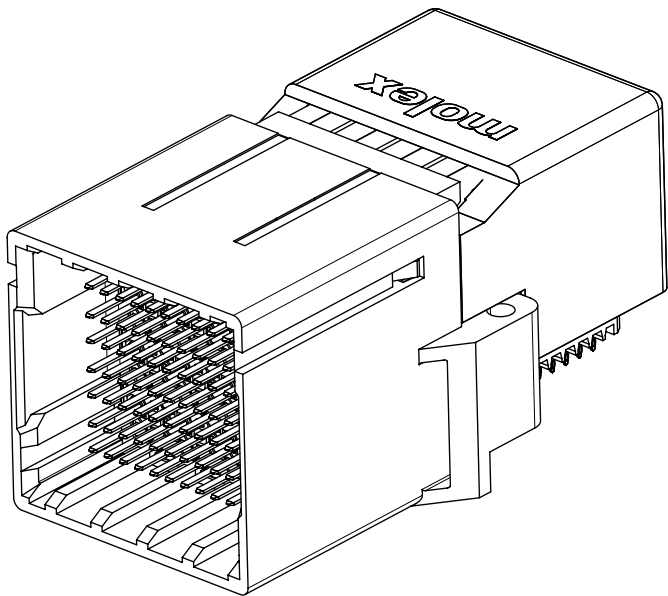
7 = 4.90 (0.39 PTH)

8 = 5.50 (0.39 PTH)

MATE POSITION

1 = 90 DEGREE

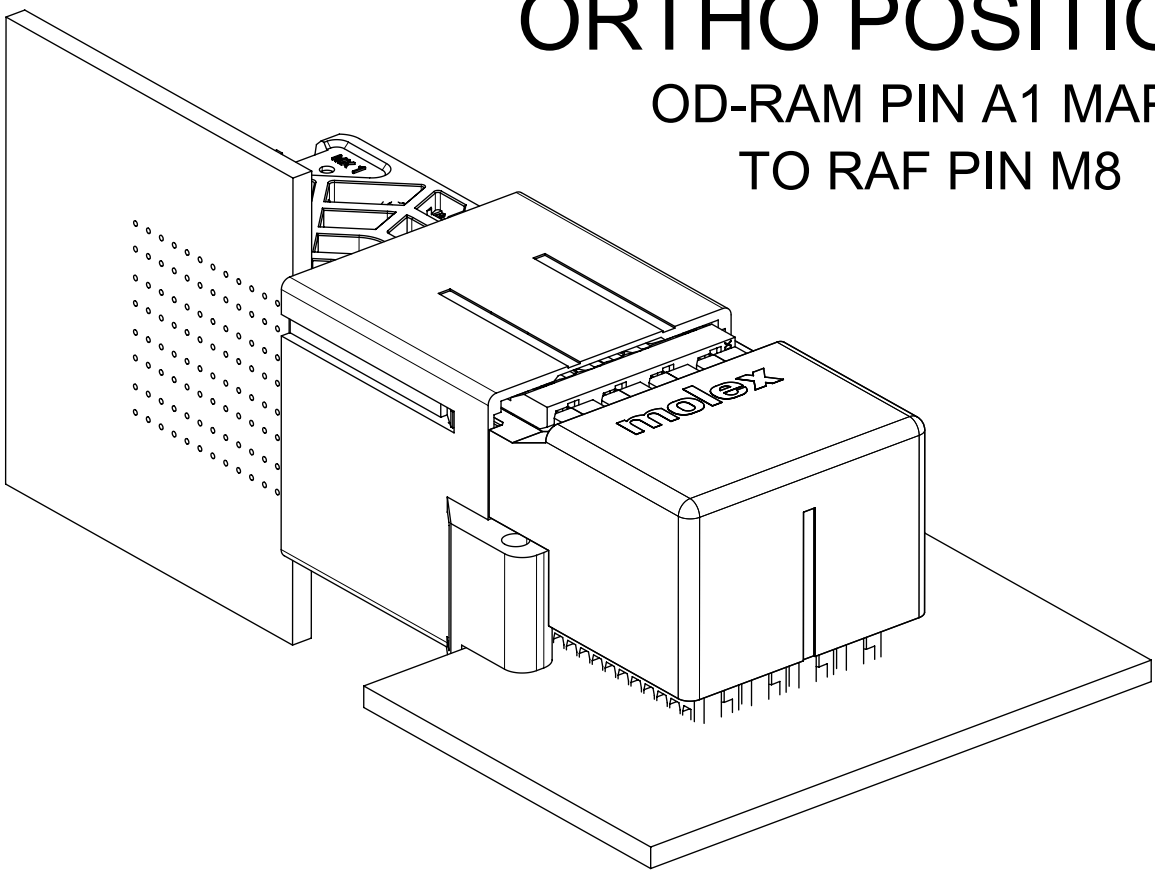
3 = 270 DEGREE



MATED DIMENSIONS
(POSITION 90° SHOWN)

- NOTES:
- 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 MOLEX SALES DRAWING SD-76850-001 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 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				molex IMPACT ORTHOGONAL DIRECT 4 PAIR RAM 90 & 270 ASSY UNGUIDE SALES DRAWING											
mm		NTS																	
GENERAL TOLERANCES (UNLESS SPECIFIED)								EC NO: 610105 DRWN: SKRISHNAMURT 2018/09/03 CHK'D: ABN 2019/01/09 APPR: SHONG 2019/01/29											
ANGULAR TOL ± 0.5 °																			
4 PLACES		±		INITIAL REVISION: DRWN: JMENDOZA 2012/10/23 APPR: TELO 2013/12/26				PRODUCT CUSTOMER DRAWING											
3 PLACES		±																	
2 PLACES		± 0.13						DOCUMENT NUMBER SD-171574-0001						DOC TYPE PSD		DOC PART 001		REVISION B3	
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		171574		SEE CHART		GENERAL MARKET		2 OF 4					



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		molex IMPACT ORTHOGONAL DIRECT 4 PAIR RAM 90 & 270 ASSY UNGUIDE SALES DRAWING			
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	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
			C-SIZE	171574	SEE CHART	GENERAL MARKET	3 OF 4

EC NO: 610105
DRWN: SKRISHNAMURT 2018/09/03
CHK'D: ABN 2019/01/09
APPR: SHONG 2019/01/29

INITIAL REVISION:
DRWN: JMENDOZA 2012/10/23
APPR: TELO 2013/12/26

DOCUMENT NUMBER

SD-171574-0001

DOC TYPE

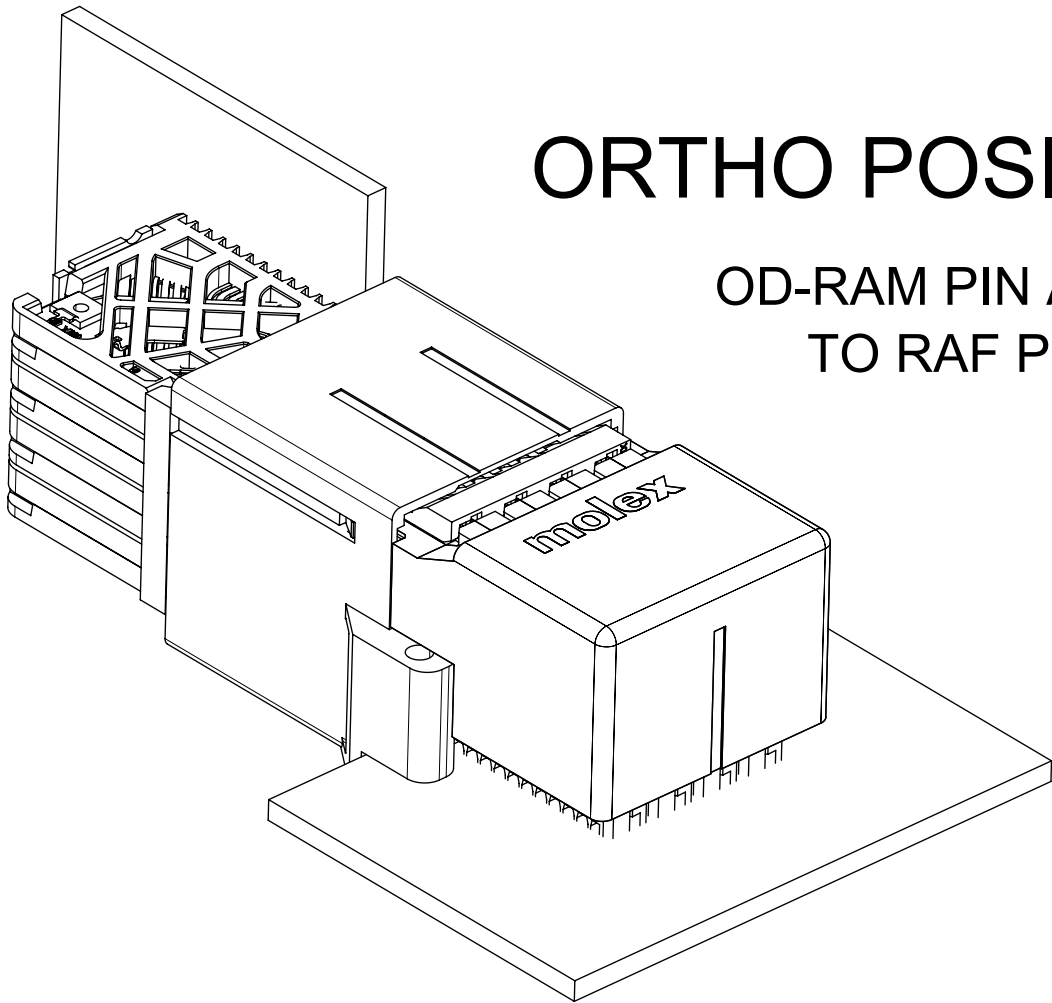
PSD

DOC PART

001

REVISION

B3



ORTHO POSITION 270°

OD-RAM PIN A1 MAPS
TO RAF PIN A1

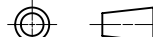
ORTHO PIN MAPPING

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

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

DOCUMENT STATUS	P1	RELEASE DATE	2019/01/29	16:34:26
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