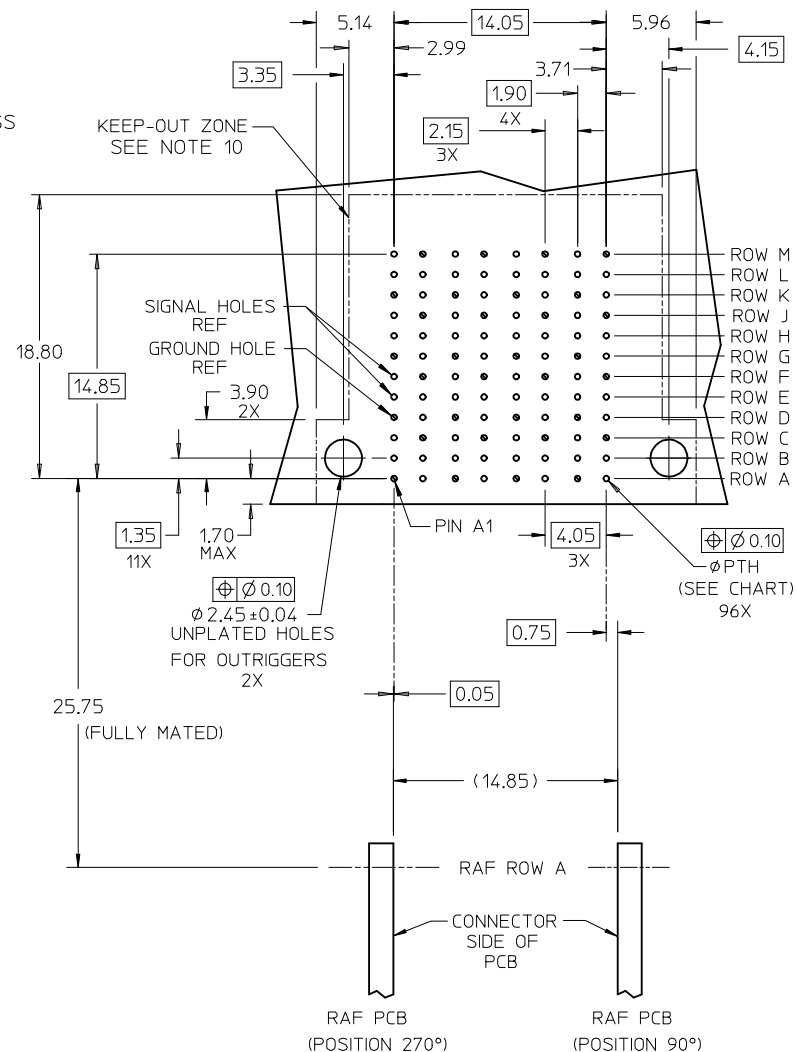
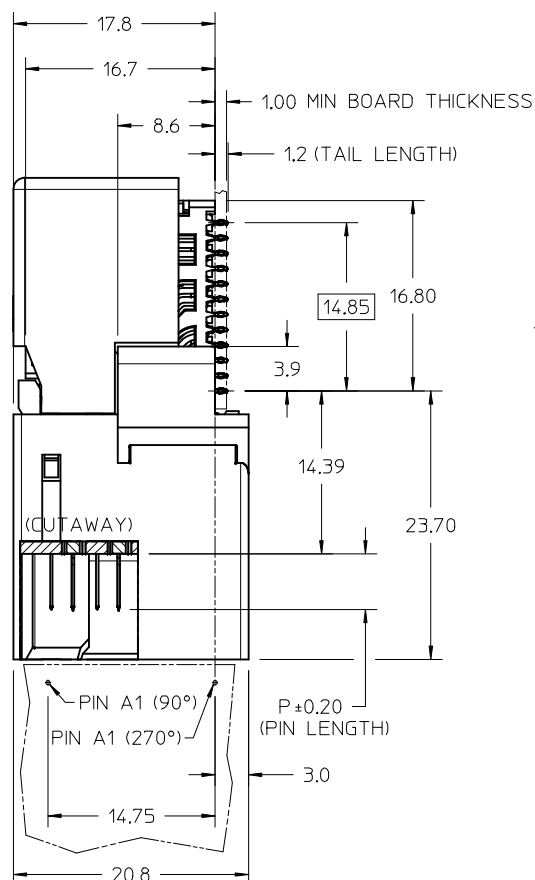
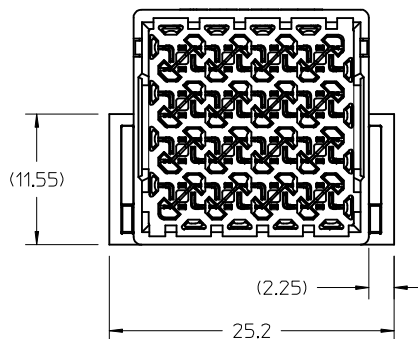
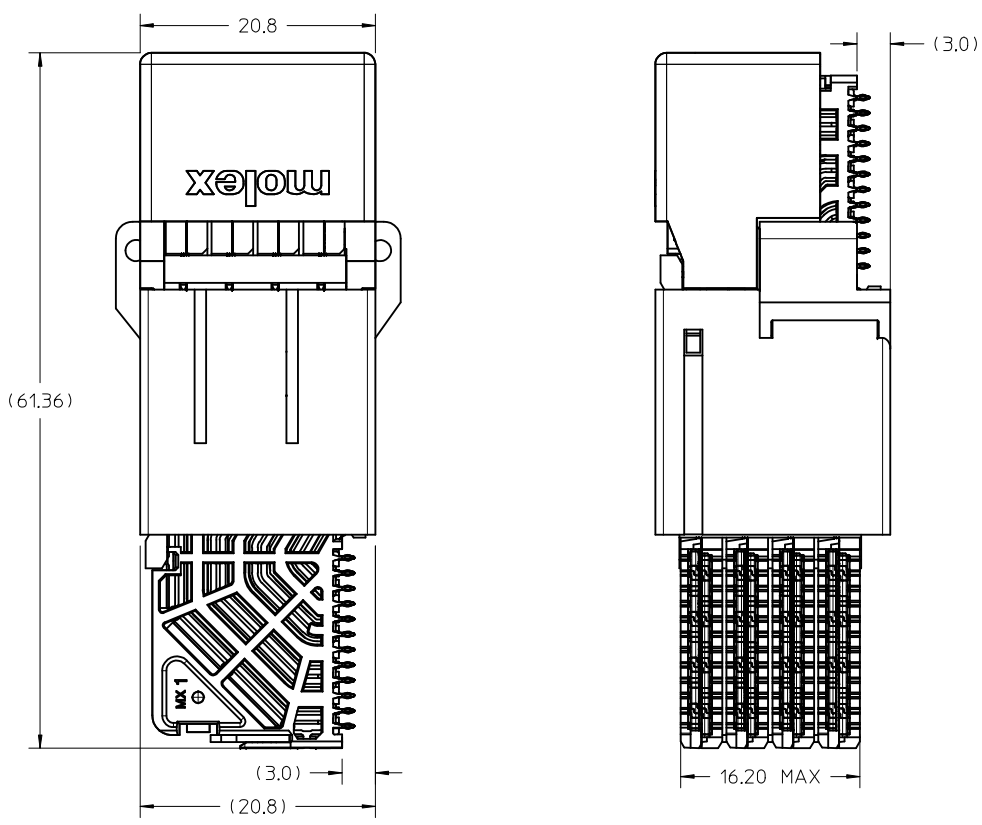




OD-RAM HOLE PATTERN
(CONNECTOR SIDE)

P/N TABLE MOVE EC NO: UCP2014-4310 DWNMB MILLER 2014/04/11 CHKO: APPR:TELO 2014/04/21 REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
	▼=0	mm	INCH	DRAWN BY	DATE	TITLE IMPACT ORTHOGONAL DIRECT 4 PAIR RAM 90 & 270 ASSY UNGUIDE SALES DRAWING				
	▽=0	4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	JMENDOZA	2012/10/23					
		2 PLACES ± 0.13 ± ---	CHECKED BY	DATE						
		1 PLACE ± 0.25 ± ---	TELO	2012/12/07						
		ANGULAR ±1/2°	APPROVED BY	DATE	MOLEX		MOLEX INCORPORATED			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	TELO	2013/12/26	DOCUMENT NO.		SHEET NO.			
			SEE CHART		SD-171574-0001		1 OF 4			
			SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



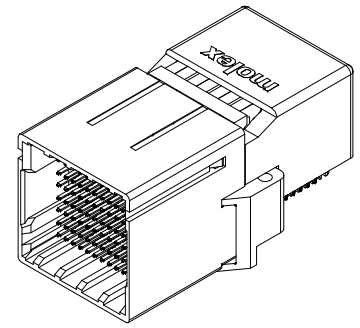
171574-18**

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

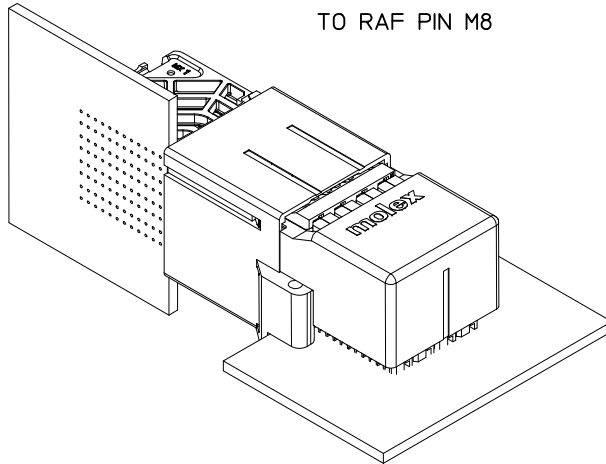


MATED DIMENSIONS (POSITION 90° SHOWN)

- 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 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. THESE DIMENSIONS REPRESENT THE AREA NEEDED TO ACCOMMODATE 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."

SEE SHEET 1 EC NO: UCP2014-4310 DRWN:BJ MILLER 2014/04/11 CHKD: APPR:TELO 2014/04/21 REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY JMENDOZA	DATE 2012/10/23	TITLE IMPACT ORTHOGONAL DIRECT 4 PAIR RAM 90 & 270 ASSY UNGUIDE SALES DRAWING		
			4 PLACES	± ---	± ---	CHECKED BY TELO	DATE 2012/12/07			
			3 PLACES	± ---	± ---	APPROVED BY TELO	DATE 2013/12/26			
			2 PLACES	± 0.13	± ---	MATERIAL NO.		DOCUMENT NO. SD-171574-0001		SHEET NO. 2 OF 4
			1 PLACE	± 0.25	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				
			ANGULAR ± 1/2°		SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

OD-RAM PIN A1 MAPS
TO RAF PIN M8



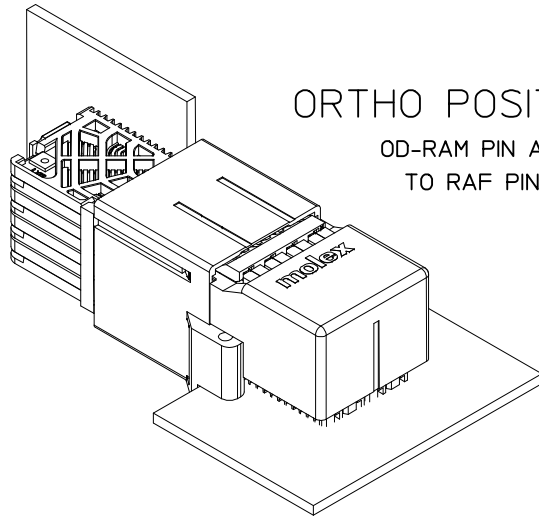
POSITION 90° (OD RAM - RAF)

(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 ϕ
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

SEE SHEET 1 EC NO: UCP2014-4310 DRAWN BY: JIMMILLER CHKD: B1 2014/04/11 APPR: TELO 2014/04/21	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																											
		 =0  =0	<table><tr><td></td><td>mm</td><td>INCH</td></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	± ---	<table><tr><td>DRAWN BY</td><td>DATE</td></tr><tr><td>JMENDOZA</td><td>2012/10/23</td></tr><tr><td>CHECKED BY</td><td>DATE</td></tr><tr><td>TELO</td><td>2012/12/07</td></tr><tr><td>APPROVED BY</td><td>DATE</td></tr><tr><td>TELO</td><td>2013/12/26</td></tr></table>	DRAWN BY	DATE	JMENDOZA	2012/10/23	CHECKED BY	DATE	TELO	2012/12/07	APPROVED BY	DATE	TELO	2013/12/26	TITLE IMPACT ORTHOGONAL DIRECT 4 PAIR RAM 90 & 270 ASSY UNGUIDE SALES DRAWING		
		mm	INCH																															
	4 PLACES	± ---	± ---																															
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TELO	2013/12/26																																	
ANGULAR ±1/2°			MOLEX MOLEX INCORPORATED																															
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. SEE CHART	DOCUMENT NO. SD-171574-0001	SHEET NO. 3 OF 4																													
			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)

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 ϕ
171574-1834	8	32	270	4.90	0.46 $\pm$ 0.05
171574-1835	8	32	270	5.50	0.46 $\pm$ 0.05
171574-1837	8	32	270	4.90	0.39 $\pm$ 0.05
171574-1838	8	32	270	5.50	0.39 $\pm$ 0.05

SEE SHEET 1 EC NO: UCP2014-4310 DRWN: B. MILLER 2014/04/11 CHKD: APPR: TELO 2014/04/21	REV B1	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
					mm	INCH	DRAWN BY JMENDOZA	DATE 2012/10/23	TITLE IMPACT ORTHOGONAL DIRECT 4 PAIR RAM 90 & 270 ASSY UNGUIDE SALES DRAWING	DOCUMENT NO. SD-171574-0001	SHEET NO. 4 OF 4	
				4 PLACES	± ---	± ---	CHECKED BY TELO	DATE 2012/12/07				
				3 PLACES	± ---	± ---	APPROVED BY TELO					DATE 2013/12/26
				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										