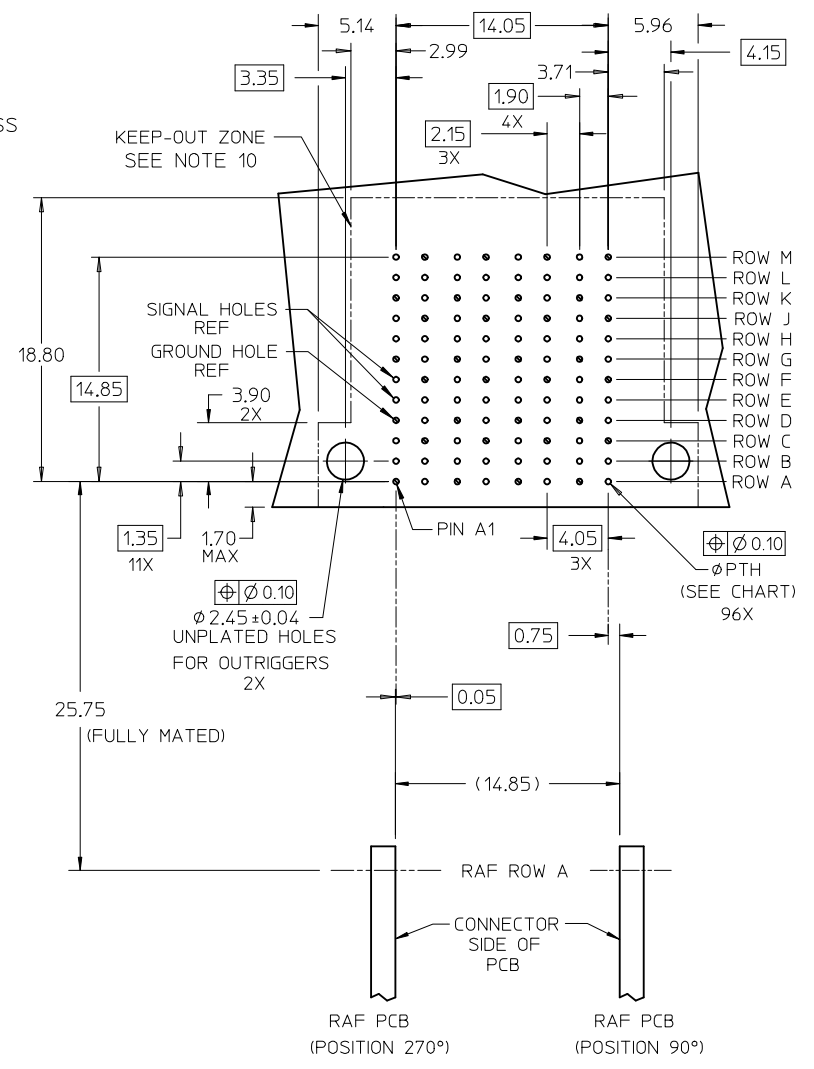
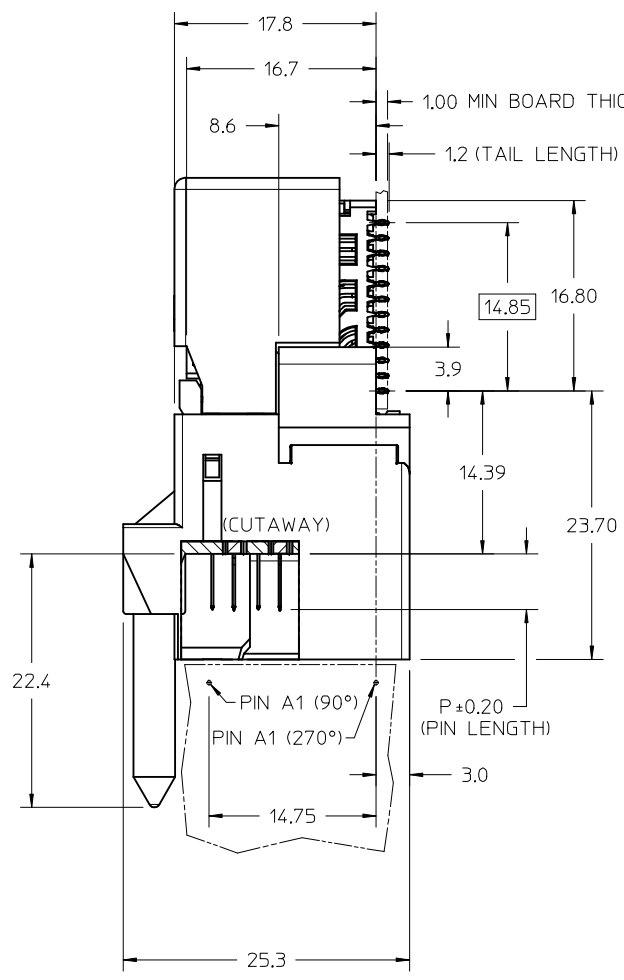
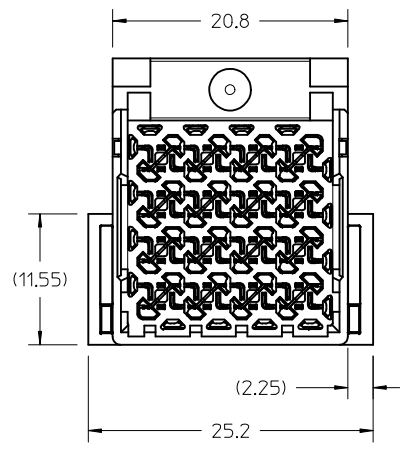
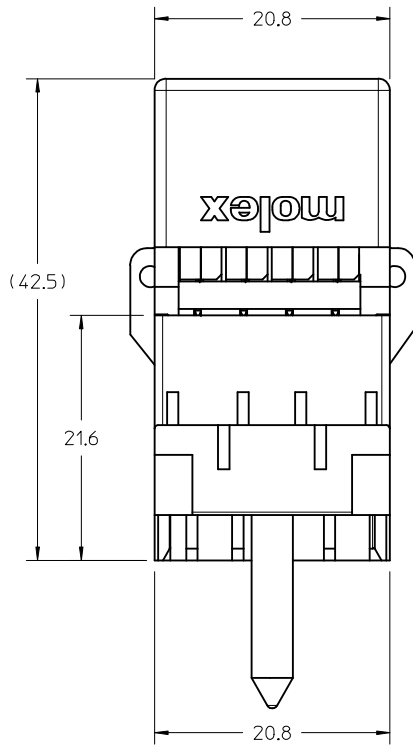
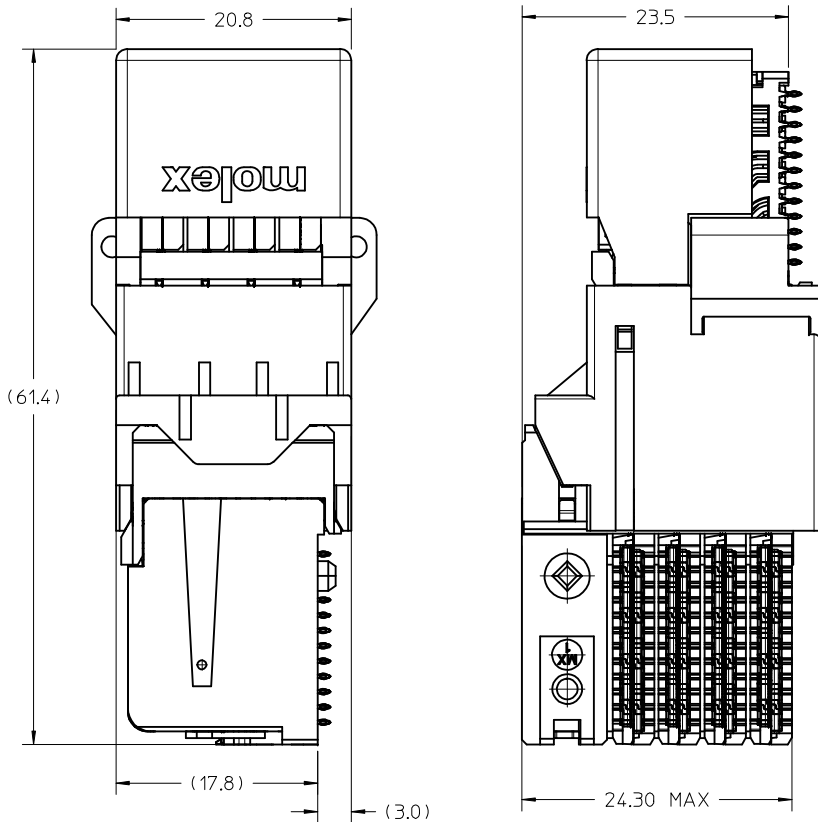




OD-RAM HOLE PATTERN
(CONNECTOR SIDE)

P/N TABLE MOVE EC NO: UCP2014-4310 DRAWN BY: MILLER 2014/04/11 CHKD: TELLO APPR: TELLO 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 2012/04/13	TITLE IMPACT ORTHOGONAL DIRECT 4 PAIR RAM 90 & 270 ASSY TOP GUIDE SALES DRAWING					
						CHECKED BY TELO	DATE 2012/06/08						
			4 PLACES	± ---	± ---	APPROVED BY TELO		DATE 2013/12/26	MOLEX MOLEX INCORPORATED				
			3 PLACES	± ---	± ---								
			2 PLACES	± 0.13	± ---								
1 PLACE	± 0.25	± ---				SHEET NO. 1 OF 4							
ANGULAR ±1/2°													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NO. SEE CHART	DOCUMENT NO. SD-171574-0002								
				SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								



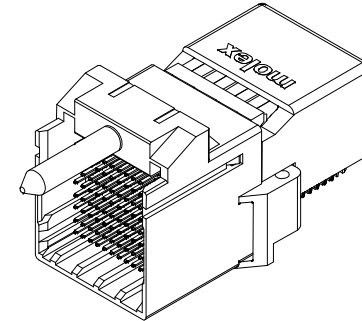
MATED DIMENSIONS
(POSITION 90° SHOWN)

MODULE TYPE 171574-78**
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



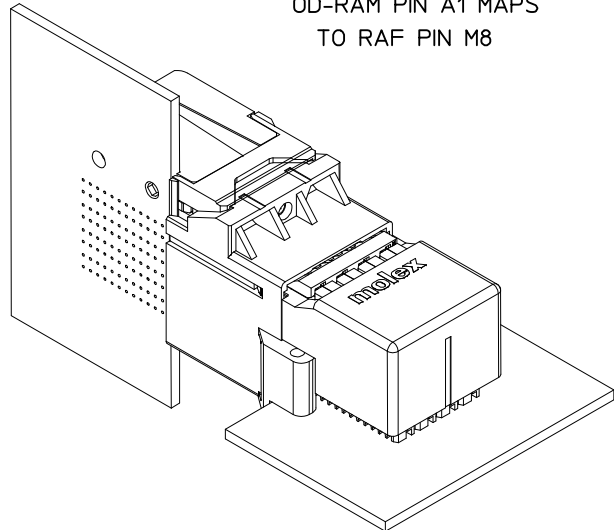
NOTES:

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 SHEET 3 AND 4 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.*

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 2012/04/13	TITLE IMPACT ORTHOGONAL DIRECT 4 PAIR RAM 90 & 270 ASSY TOP GUIDE SALES DRAWING				
			4 PLACES	± ---	± ---	CHECKED BY TELO	DATE 2012/06/08					
			3 PLACES	± ---	± ---	APPROVED BY TELO	DATE 2013/12/26					
			2 PLACES	± 0.13	± ---	MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
			1 PLACE	± 0.25	± ---	ANGULAR ±1/2°		SEE CHART		SD-171574-0002		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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 ϕ
171574-7804	8	32	90	4.90	0.46 $\pm$ 0.05
171574-7805	8	32	90	5.50	0.46 $\pm$ 0.05
171574-7807	8	32	90	4.90	0.39 $\pm$ 0.05
171574-7808	8	32	90	5.50	0.39 $\pm$ 0.05

SEE SHEET 1
EC NO: UCP2014-4310
DRWN:BJ MILLER 2014/04/11
CHKD:
APPR:TELO 2014/04/21

REV
B1

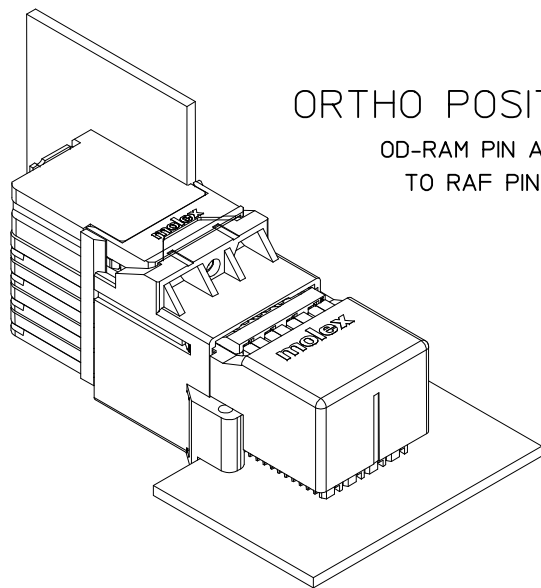
DESCRIPTION

QUALITY SYMBOLS
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES $\pm$ --- $\pm$ ---
3 PLACES $\pm$ --- $\pm$ ---
2 PLACES $\pm$ 0.13 $\pm$ ---
1 PLACE $\pm$ 0.25 $\pm$ ---
ANGULAR $\pm$ 1/2°
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY
JMENDOZA
DATE
2012/04/13
CHECKED BY
TELO
DATE
2012/06/08
APPROVED BY
TELO
DATE
2013/12/26
MATERIAL NO.
SEE CHART
SIZE
C

SCALE
2:1
DESIGN UNITS
METRIC
THIRD ANGLE PROJECTION
TITLE
IMPACT ORTHOGONAL DIRECT
4 PAIR RAM 90 & 270 ASSY
TOP GUIDE SALES DRAWING
molex MOLEX INCORPORATED
DOCUMENT NO.
SD-171574-0002
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

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 ϕ
171574-7834	8	32	270	4.90	0.46 $\pm$ 0.05
171574-7835	8	32	270	5.50	0.46 $\pm$ 0.05
171574-7837	8	32	270	4.90	0.39 $\pm$ 0.05
171574-7838	8	32	270	5.50	0.39 $\pm$ 0.05

SEE SHEET 1 EC NO: UCP2014-4310 DRWN: MILLER 2014/04/11 CHKD: 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		
				mm	INCH	DRAWN BY JMENDOZA	DATE 2012/04/13	TITLE IMPACT ORTHOGONAL DIRECT 4 PAIR RAM 90 & 270 ASSY TOP GUIDE SALES DRAWING				
			4 PLACES	± ---	± ---	CHECKED BY TELO	DATE 2012/06/08					
			3 PLACES	± ---	± ---	APPROVED BY TELO		DATE 2013/12/26				
			2 PLACES	± 0.13	± ---							
			1 PLACE	± 0.25	± ---	molex						
			0 PLACE	±	±							
			ANGULAR ±1/2°								MATERIAL NO.	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART		SD-171574-0002		4 OF 4		
						SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					