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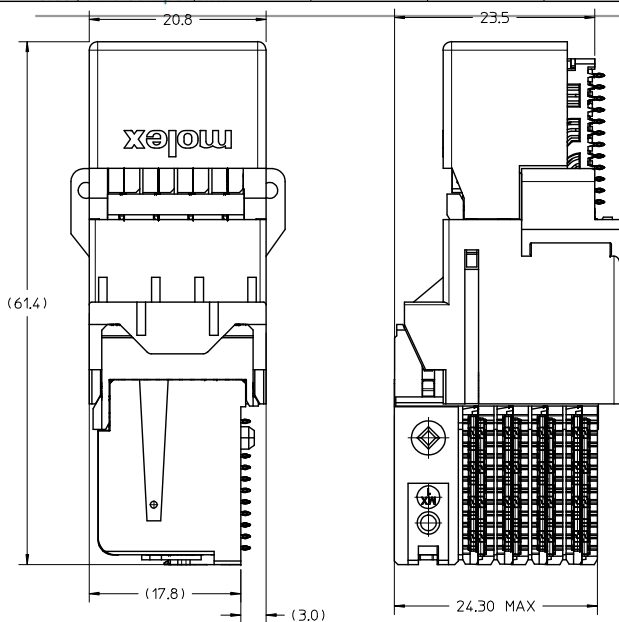
[Molex Connector Corporation](#)
[1715747804](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



ib_frame_C_P_AM_T
Rev. D 2004/06/28



MATED DIMENSIONS
(POSITION 90° SHOWN)

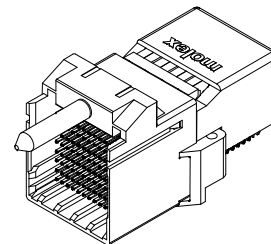
171574-78**

MODULE TYPE
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)

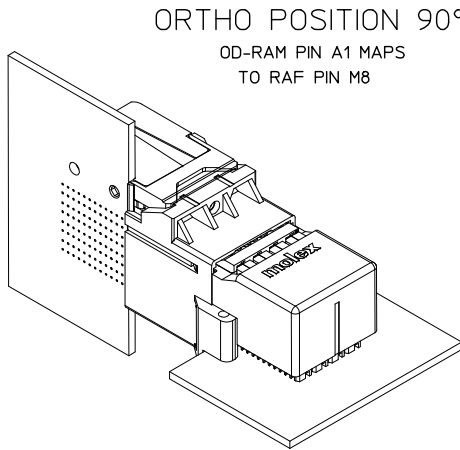
MATE POSITION
0 = 90 DEGREE
3 = 270 DEGREE



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: UCP204-4310 DRAWN BY MILLER CHKD: B1	DESCRIPTION 2014/04/11 2014/04/21 APPR: TELO	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 JMEMOZA	DATE 2012/04/13	TITLE IMPACT ORTHOGONAL DIRECT 4 PAIR RAM 90 & 270 ASSY TOP GUIDE SALES DRAWING		
			4 PLACES ±---	±---	CHECKED BY	DATE 2012/06/08	MOLEX MOLEX INCORPORATED		
			3 PLACES ±---	±---	TELO				
			2 PLACES ±0.13	±---	APPROVED BY	DATE 2013/12/26			
			1 PLACE ±0.25	±---	TELO				
			ANGULAR ±1/2°		MATERIAL NO.	DOCUMENT NO. SD-171574-0002	SHEET NO. 2 OF 4		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
					SIZE C				



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

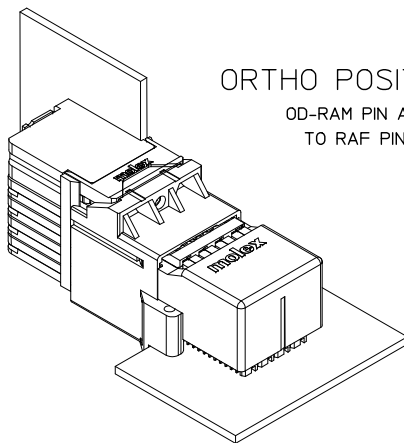
POSITION 90° (OD RAM - RAF)

(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±0.05
171574-7805	8	32	90	5.50	0.46±0.05
171574-7807	8	32	90	4.90	0.39±0.05
171574-7808	8	32	90	5.50	0.39±0.05

SEE SHEET 1 EC NO: UCP204-4310 DRAWN BY: MILLER CHKD: TELLO APPR: TELLO REV: B1	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE IMPACT ORTHOGONAL DIRECT 4 PAIR RAM 90 & 270 ASSY TOP GUIDE SALES DRAWING MOLEX INCORPORATED		
			mm	INCH	DRAWN BY	DATE						
			4 PLACES	±.005	JMENDOZA	2012/04/13						
			3 PLACES	±.005	CHECKED BY	DATE						
			2 PLACES	±0.13	TELO	2012/06/08						
			1 PLACE	±0.25	APPROVED BY	DATE						
			ANGULAR ±1/2°		TELO	2013/12/26						
					MATERIAL NO.	DOCUMENT NO.						
					SEE CHART		SD-171574-0002					
					SIZE		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 A1REFER 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: UCP204-4310 DRAWN BY MILLER CHKD: APPR: TEL B1	DESCRIPTION 2014/04/11 2014/07/17 CHPO: TEL	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION		
					MM ONLY		2:1	METRIC			
					DRAWN BY JMD02A		DATE 2012/04/13	TITLE			
					CHECKED BY		DATE 2012/04/13	IMPACT ORTHOGONAL DIRECT			
					TELO		DATE 2012/06/08	4 PAIR RAM 90 & 270 ASSY			
					APPROVED BY		DATE	TOP GUIDE SALES DRAWING			
					TELO		DATE 2013/12/26	molex			
					ANGULAR $\pm 1/2^\circ$		MATERIAL NO.			DOCUMENT NO.	
					SEE CHART		SD-171574-0002			SHEET NO.	
					4 OF 4						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							