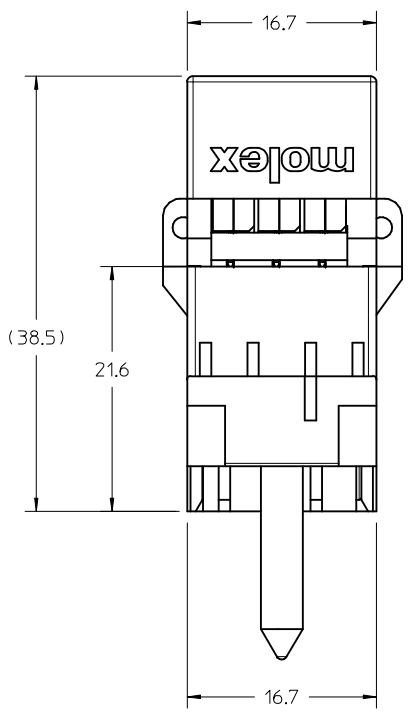
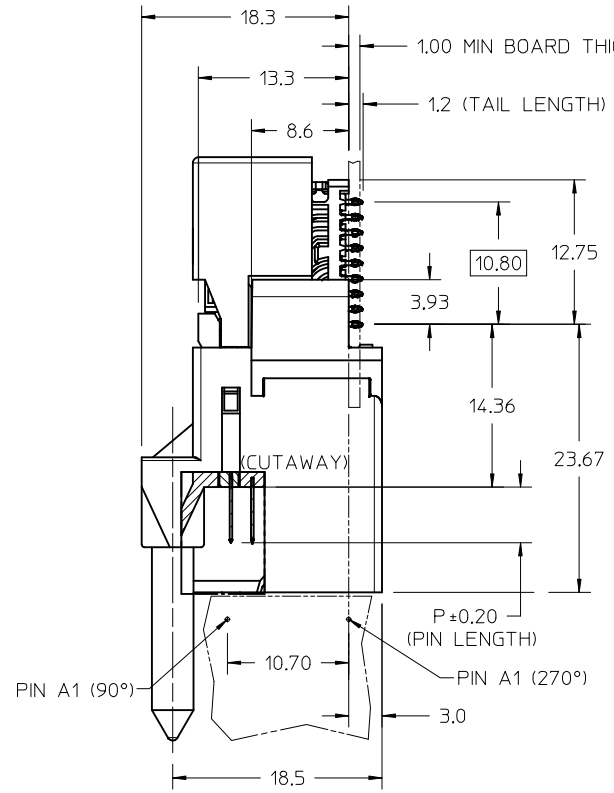
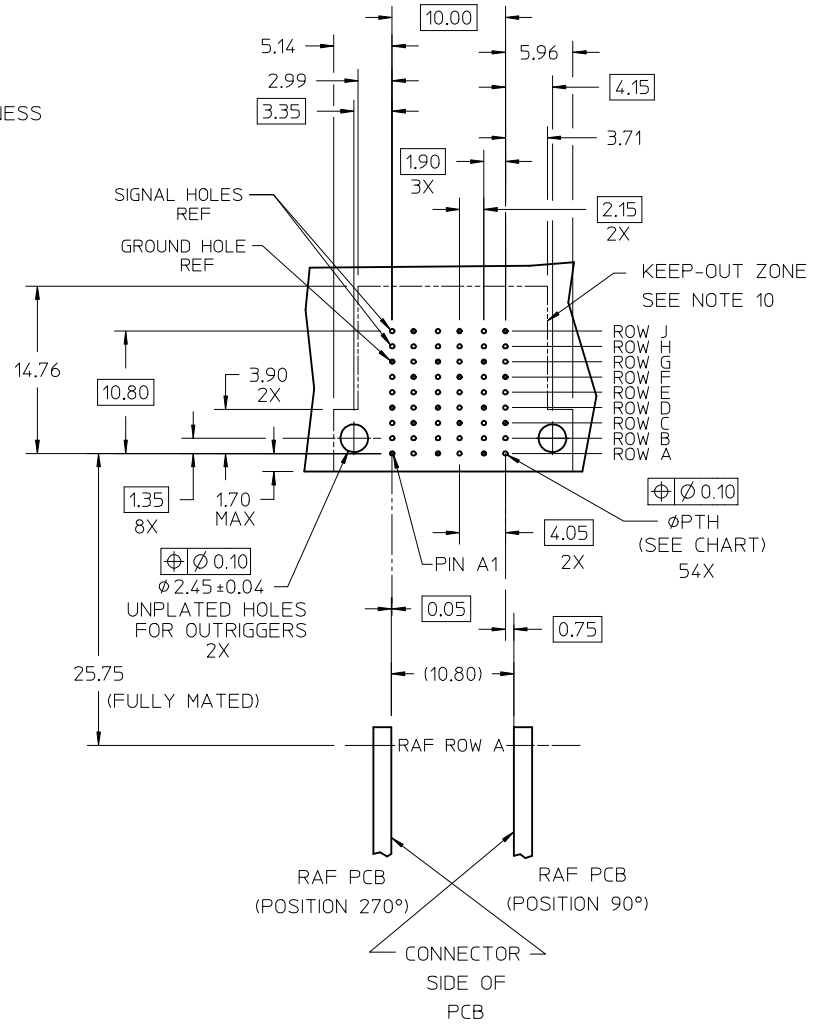
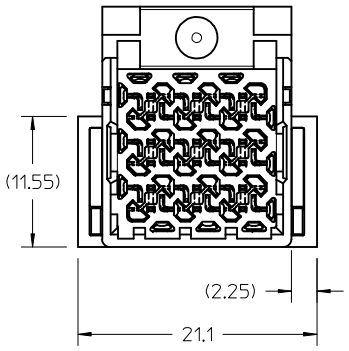








OD-RAM HOLE PATTERN
(CONNECTOR SIDE)

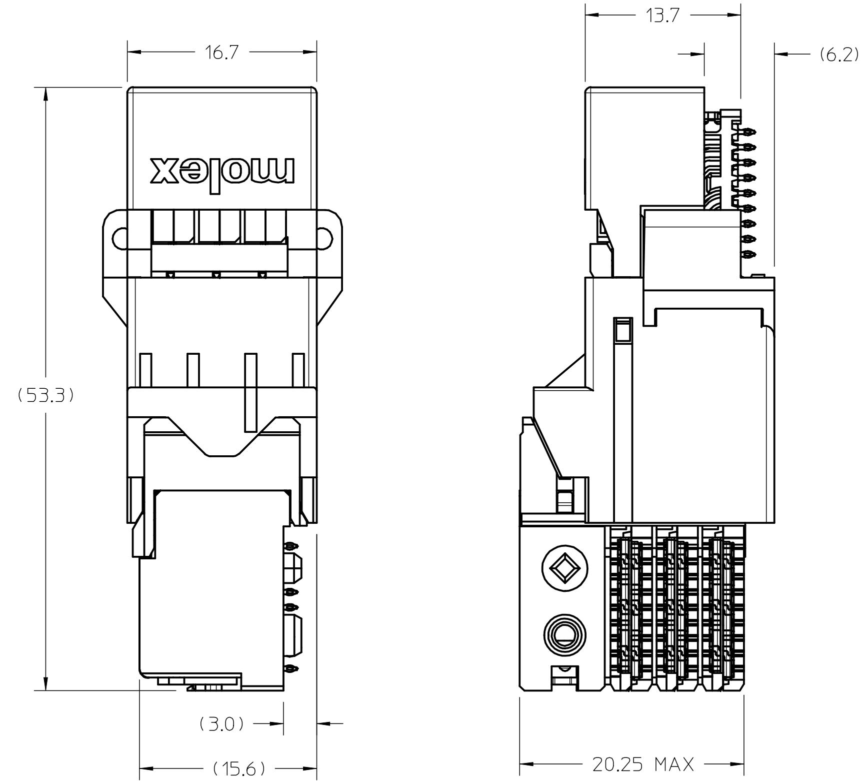
P/N TABLE MOVE
EC NO: UCP2014-4310 2014/04/11
DRWN:BJMILLER
CHKD:
APPR:TELO 2014/04/21
DESCRIPTION
B1
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	3:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	JMENDOZA 2012/12/14
CHECKED BY	TELO 2012/12/14
APPROVED BY	TELO 2013/12/26
MATERIAL NO.	SEE CHART
TITLE	IMPACT ORTHOGONAL DIRECT 3 PAIR RAM 90 & 270 ASSY TOP GUIDED SALES DRAWING
	MOLEX INCORPORATED
DOCUMENT NO.	SD-171573-0002
SHEET NO.	1 OF 4
SIZE	C



MATED DIMENSIONS

(POSITION 90° SHOWN)

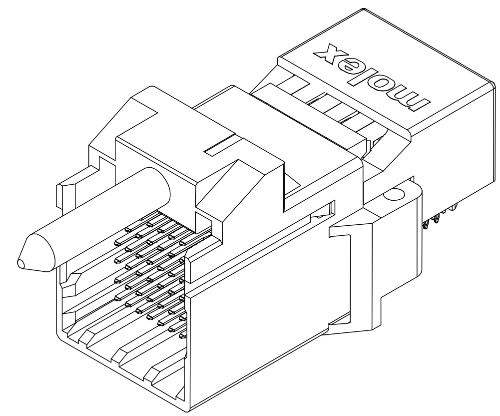
171573-76**

MODULE TYPE
7 = TOP GUIDED, TIN

# OF COLUMNS
6 = 6 COLUMN

MATE POSITION
0 = 90 DEGREE
3 = 270 DEGREE

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)



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-70873-8018.
6. SEE SHEETS 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 REFERRED TO AS THE "CONNECTOR KEEP OUT ZONE" AND DOES NOT REPRESENT THE ACTUAL PERIMETER OF THE CONNECTOR.

REV	DESCRIPTION	
B1	SEE SHEET 1 EC NO: UCP2014-4310 DRWN:BJMILLER CH'KD: APPR:TELO	2014/04/11 2014/04/21

QUALITY SYMBOLS: ▼=0 ; Ⓒ=0

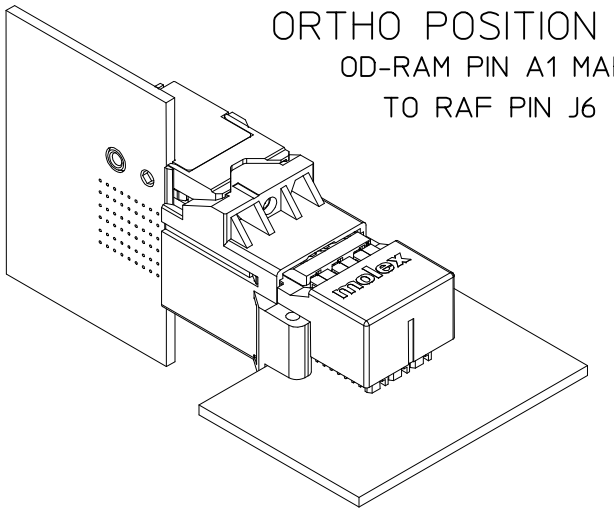
GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	3:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	JMENDOZA — DATE 2012/12/14
CHECKED BY	TELO — DATE 2012/12/14
APPROVED BY	TELO — DATE 2013/12/26
TITLE	IMPACT ORTHOGONAL DIRECT 3 PAIR RAM 90 & 270 ASSY TOP GUIDED SALES DRAWING
	MOLEX INCORPORATED
MATERIAL NO.	SEE CHART
DOCUMENT NO.	SD-171573-0002
SHEET NO.	2 OF 4
SIZE	C

ORTHO POSITION 90°

OD-RAM PIN A1 MAPS TO RAF PIN J6



REFER TO MOLEX SALES DRAWING SD-76860-002
FOR MATING RECEPTACLES.

ORTHO PIN MAPPING					
OPTION 90 (NEARSIDE - FARSIDE)					
(A1-J6)	A2-H6	(A3-F6)	A4-E6	(A5-C6)	A6-B6
B1-J5	B2-G6	B3-F5	B4-D6	B5-C5	B6-A6
C1-H5	(C2-G5)	C3-E5	(C4-D5)	C5-B5	(C6-A5)
(D1-J4)	D2-H4	(D3-F4)	D4-E4	(D5-C4)	D6-B4
E1-J3	E2-G4	E3-F3	E4-D4	E5-C3	E6-A4
F1-H3	(F2-G3)	F3-E3	(F4-D3)	F5-B3	(F6-A3)
(G1-J2)	G2-H2	(G3-F2)	G4-E2	(G5-C2)	G6-B2
H1-J1	H2-G2	H3-F1	H4-D2	H5-C1	H6-A2
J1-H1	(J2-G1)	J3-E1	(J4-D1)	J5-B1	(J6-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
171573-7604	6	18	90	4.90	0.46±0.05
171573-7605	6	18	90	5.50	0.46±0.05
171573-7607	6	18	90	4.90	0.39±0.05
171573-7608	6	18	90	5.50	0.39±0.05

SEE SHEET 1
EC NO: UCP2014-4310 2014/04/11
DRWN:BJMILLER
CHKD:
APPR:TELO 2014/04/21
DESCRIPTION
REV
B1

QUALITY SYMBOLS
▼=0
▽C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: JMENDOZA DATE: 2012/12/14
CHECKED BY: TELO DATE: 2012/12/14
APPROVED BY: TELO DATE: 2013/12/26

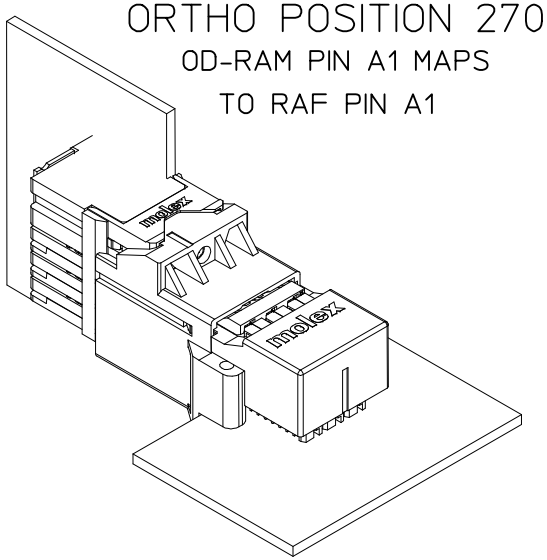
TITLE: IMPACT ORTHOGONAL DIRECT 3 PAIR RAM 90 & 270 ASSY TOP GUIDED SALES DRAWING

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-171573-0002
SHEET NO.: 3 OF 4
SIZE: C

ORTHO POSITION 270°

OD-RAM PIN A1 MAPS TO RAF PIN A1



REFER TO MOLEX SALES DRAWING SD-76860-004
FOR MATING RECEPTACLES.

ORTHO PIN MAPPING					
OPTION 270 (NEARSIDE - FARSIDE)					
(A1-A1)	A2-B1	(A3-D1)	A4-E1	(A5-G1)	A6-H1
B1-A2	B2-C1	B3-D2	B4-F1	B5-G2	B6-J1
C1-B2	(C2-C2)	C3-E2	(C4-F2)	C5-H2	(C6-J2)
(D1-A3)	D2-B3	(D3-D3)	D4-E3	(D5-G3)	D6-H3
E1-A4	E2-C3	E3-D4	E4-F3	E5-G4	E6-J3
F1-B4	(F2-C4)	F3-E4	(F4-F4)	F5-H4	(F6-J4)
(G1-A5)	G2-B5	(G3-D5)	G4-E5	(G5-G5)	G6-H5
H1-A6	H2-C5	H3-D6	H4-F5	H5-G6	H6-J5
J1-B6	(J2-C6)	J3-E6	(J4-F6)	J5-H6	(J6-J6)

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
171573-7634	6	18	270	4.90	0.46±0.05
171573-7635	6	18	270	5.50	0.46±0.05
171573-7637	6	18	270	4.90	0.39±0.05
171573-7638	6	18	270	5.50	0.39±0.05

SEE SHEET 1
EC NO: UCP2014-4310 2014/04/11
DRWN:BJMILLER 2014/04/11
CHKD:
APPR:TELO 2014/04/21
DESCRIPTION
REV
B1

QUALITY SYMBOLS
F1 =0
F2 =0
F3 =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
0 PLACE	±	±
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	JMENDOZA	2012/12/14
CHECKED BY	TELO	2012/12/14
APPROVED BY	TELO	2013/12/26

TITLE: IMPACT ORTHOGONAL DIRECT 3 PAIR RAM 90 & 270 ASSY TOP GUIDED SALES DRAWING

molex

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-171573-0002
SHEET NO.: 4 OF 4
SIZE: C