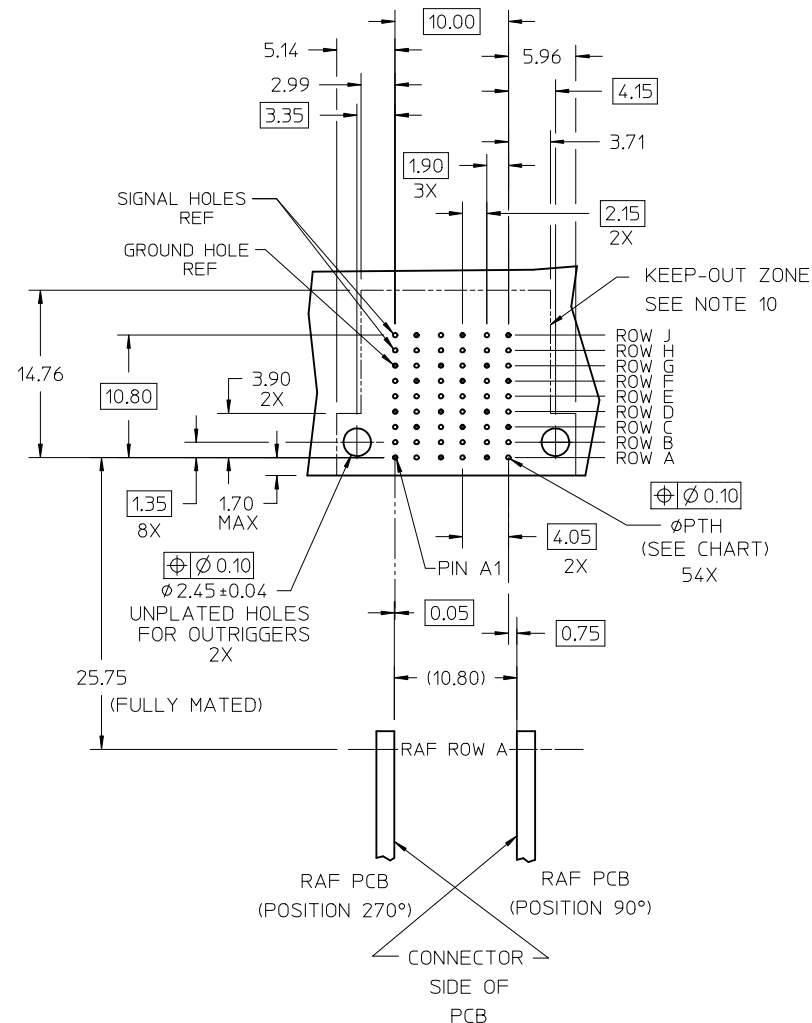
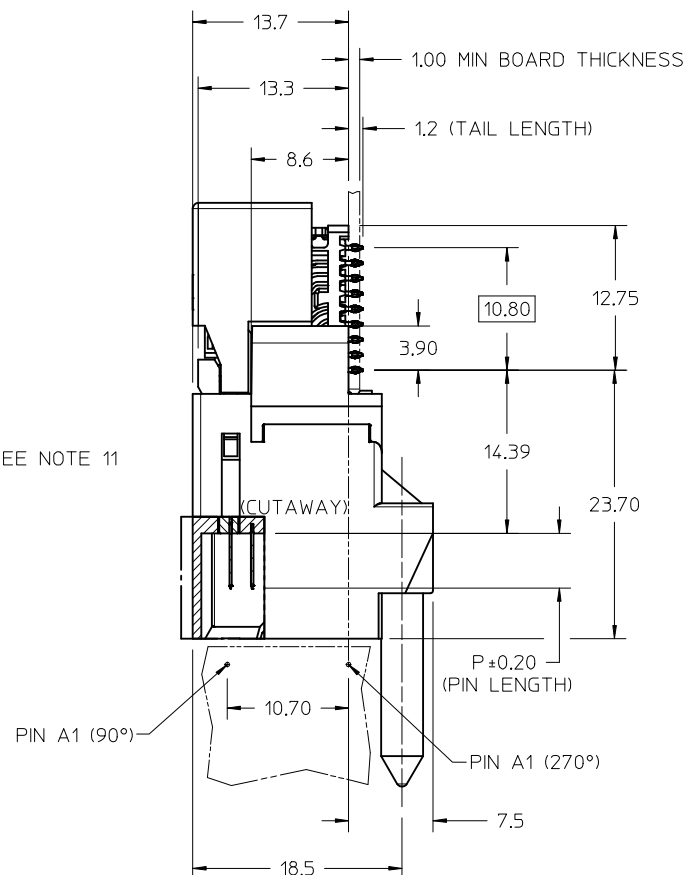
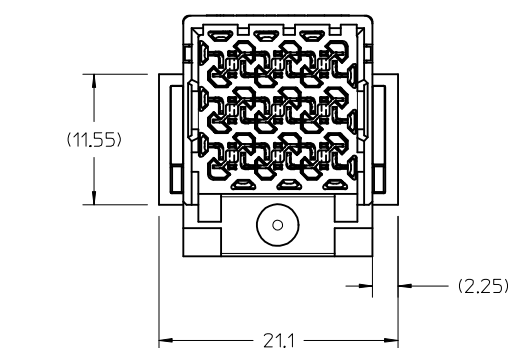
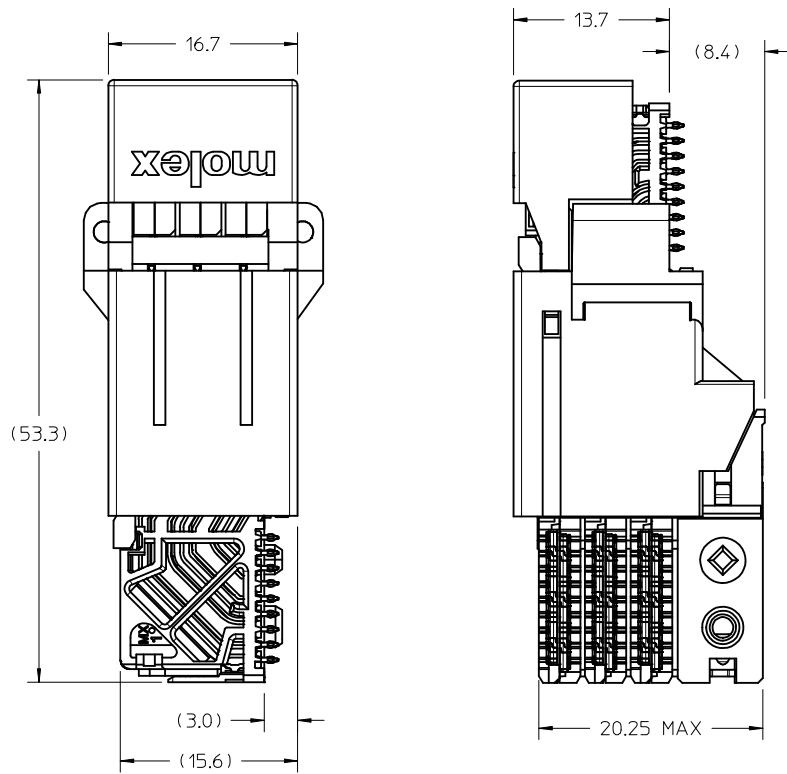




OD-RAM HOLE PATTERN
(CONNECTOR SIDE)

2ND GATE AND OUTRIGGERS	EC NO: UCP2015-5544 DIRMNB MILLER 2016/10/07 CHKD: APPR: TELO 2016/10/10	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	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><tr><td colspan="3">ANGULAR ± 1/2°</td></tr></table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.13	± ---	1 PLACE	± 0.25	± ---	ANGULAR ± 1/2°			<table><tr><td>DRAWN BY</td><td>DATE</td></tr><tr><td>JMENDOZA</td><td>2012/12/14</td></tr><tr><td>CHECKED BY</td><td>DATE</td></tr><tr><td>TELO</td><td>2012/12/14</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	2012/12/14	CHECKED BY	DATE	TELO	2012/12/14	APPROVED BY	DATE	TELO	2013/12/26	TITLE IMPACT ORTHOGONAL DIRECT 3 PAIR RAM 90 & 270 ASSY BOTTOM GUIDED SALES DWG			
				mm	INCH																																		
			4 PLACES	± ---	± ---																																		
			3 PLACES	± ---	± ---																																		
2 PLACES	± 0.13	± ---																																					
1 PLACE	± 0.25	± ---																																					
ANGULAR ± 1/2°																																							
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APPROVED BY	DATE																																						
TELO	2013/12/26																																						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. SEE CHART		DOCUMENT NO. SD-171573-0003		SHEET NO. 1 OF 4																																
			SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																				



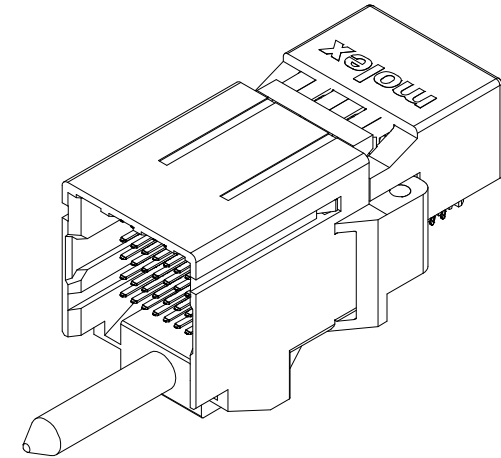
171573-96**

MODULE TYPE
9 = BOTTOM GUIDED, TIN

OF COLUMNS
6 = 6 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

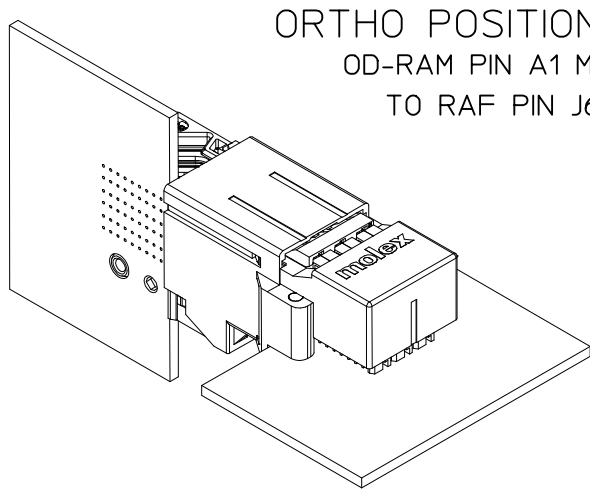


MATED DIMENSIONS (POSITION 90° SHOWN)

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-70873-8019.
- SEE SHEETS 3 FOR ORTHOGONAL PIN MAPPING.
- REFER TO SHEET 3 AND 4 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 ACCOMMODATE 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.
- MARKING: LOCATED APPROXIMATELY AS SHOWN, ON BOTTOM OR TOP HOUSING.

SEE SHEET 1 EC NO: UCP2015-5544 DRWN: B. MILLER 2016/10/07 CHKD: TELO APPR: TELO 2016/10/10	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 2012/12/14	TITLE IMPACT ORTHOGONAL DIRECT 3 PAIR RAM 90 & 270 ASSY BOTTOM GUIDED SALES DWG				
			4 PLACES	± ---	± ---	CHECKED BY TEL0	DATE 2012/12/14					
			3 PLACES	± ---	± ---	APPROVED BY TEL0	DATE 2013/12/26					
			2 PLACES	± 0.13	± ---	MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
			1 PLACE	± 0.25	± ---	SEE CHART		SD-171573-0003		2 OF 4		
			ANGULAR ±1/2°		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									



ORTHO POSITION 90°
OD-RAM PIN A1 MAPS
TO RAF PIN J6

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

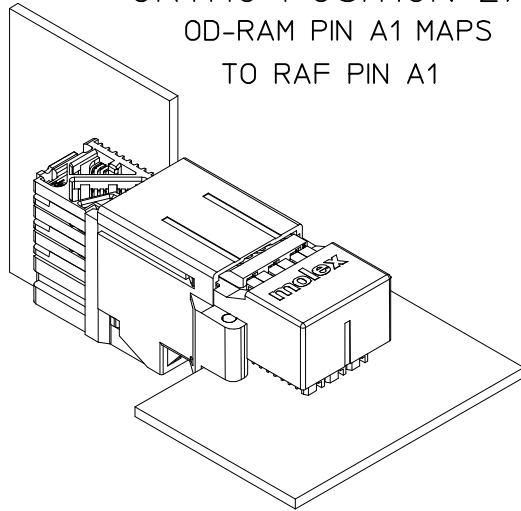
ORTHO PIN MAPPING					
OPTION 90 (NEARSIDE - FARSIDE)					
(A1-J6)	A2-H6	(A3-F6)	A4-E6	(A5-C6)	A6-B6
B1-J5	B2-G6	B3-F5	B4-D6	B5-C5	B6-A6
C1-H5	(C2-G5)	C3-E5	(C4-D5)	C5-B5	(C6-A5)
(D1-J4)	D2-H4	(D3-F4)	D4-E4	(D5-C4)	D6-B4
E1-J3	E2-G4	E3-F3	E4-D4	E5-C3	E6-A4
F1-H3	(F2-G3)	F3-E3	(F4-D3)	F5-B3	(F6-A3)
(G1-J2)	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 ϕ
171573-9604	6	18	90	4.90	0.46 $\pm$ 0.05
171573-9605	6	18	90	5.50	0.46 $\pm$ 0.05
171573-9607	6	18	90	4.90	0.39 $\pm$ 0.05
171573-9608	6	18	90	5.50	0.39 $\pm$ 0.05

SEE SHEET 1 EC NO: UCP2015-5544 DRWN: B. MILLER 2016/10/07 CHKD: APPR: TELO 2016/10/10	DESCRIPTION REV	QUALITY SYMBOLS $\nabla=0$ $\nabla=0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
					DRAWN BY JMENDOZA		DATE 2012/12/14		TITLE IMPACT ORTHOGONAL DIRECT 3 PAIR RAM 90 & 270 ASSY BOTTOM GUIDED SALES DWG MOLEX MOLEX INCORPORATED		
					CHECKED BY TELO		DATE 2012/12/14				
					APPROVED BY TELO		DATE 2013/12/26				
			ANGULAR $\pm 1/2^\circ$		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-171573-0003		3 OF 4		
					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 A1



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

ORTHO PIN MAPPING

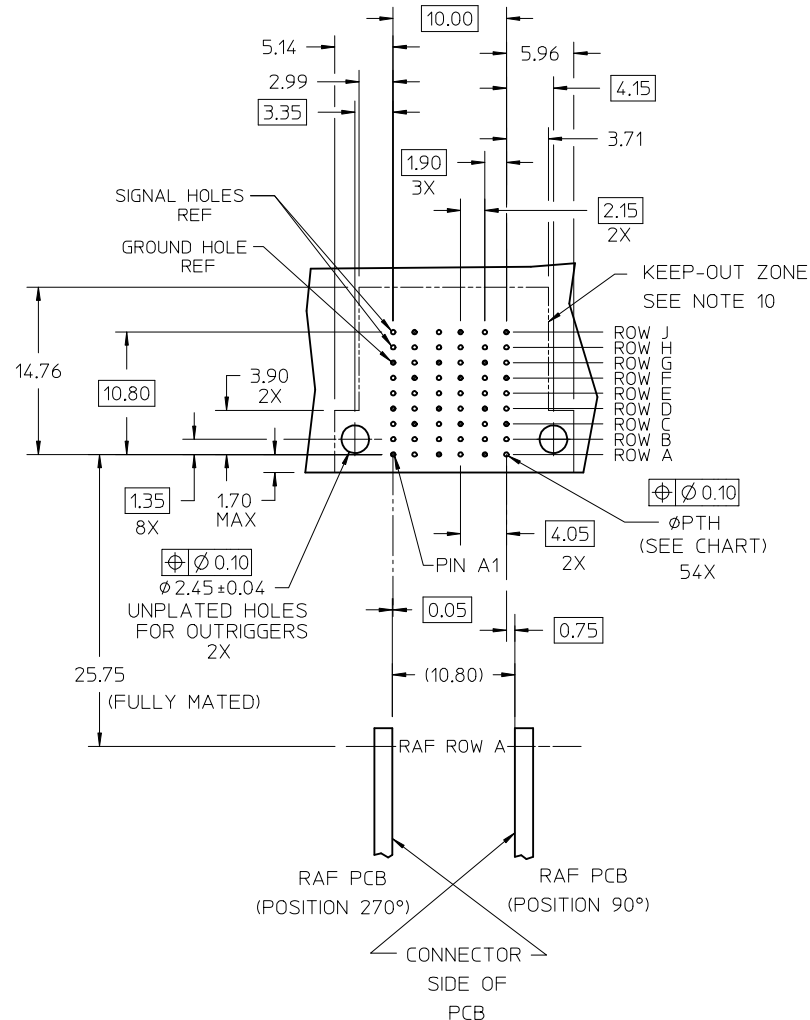
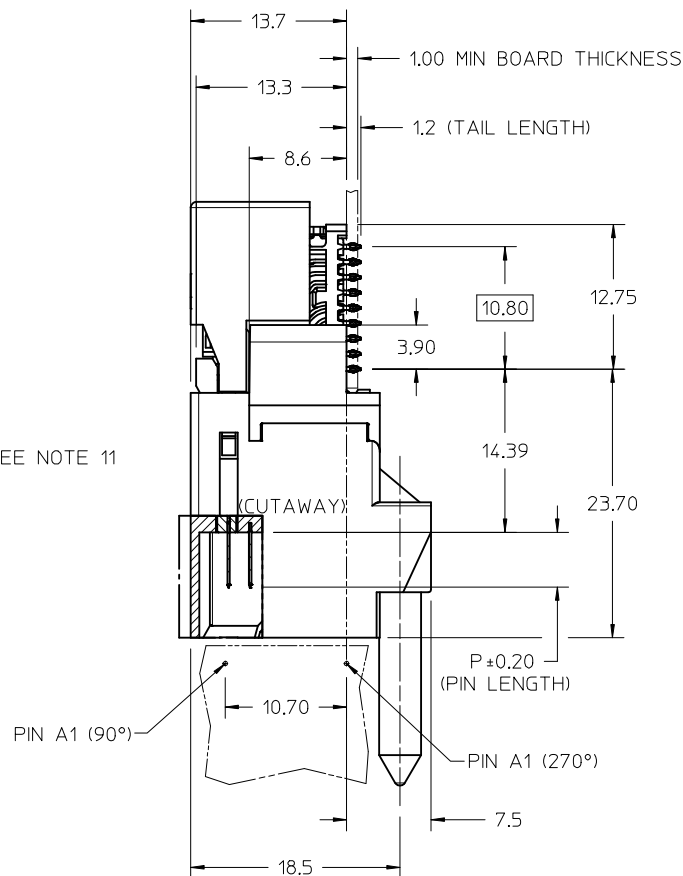
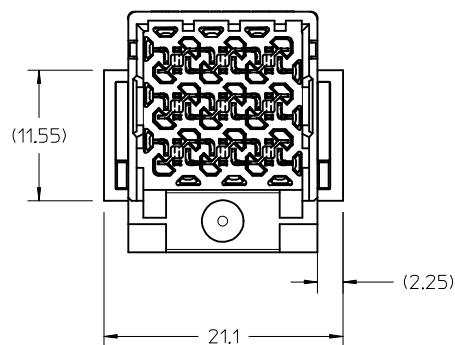
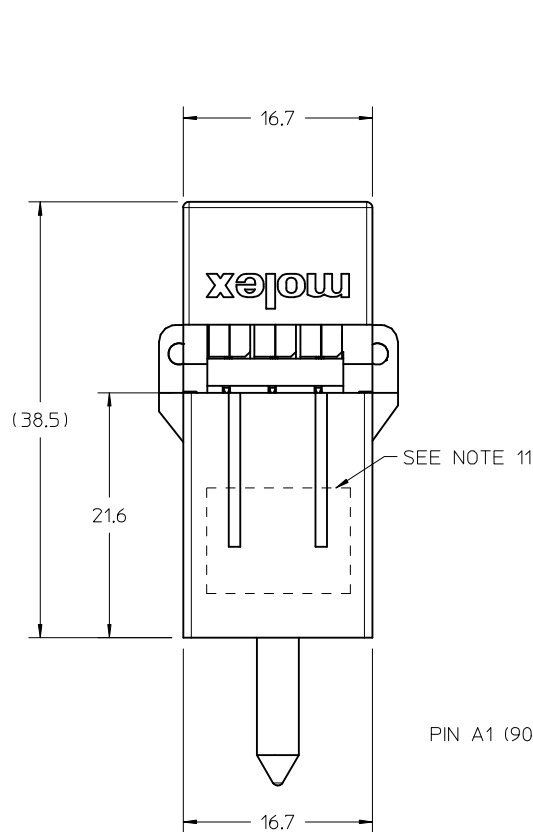
OPTION 270 (NEAR SIDE - FAR SIDE)

(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.

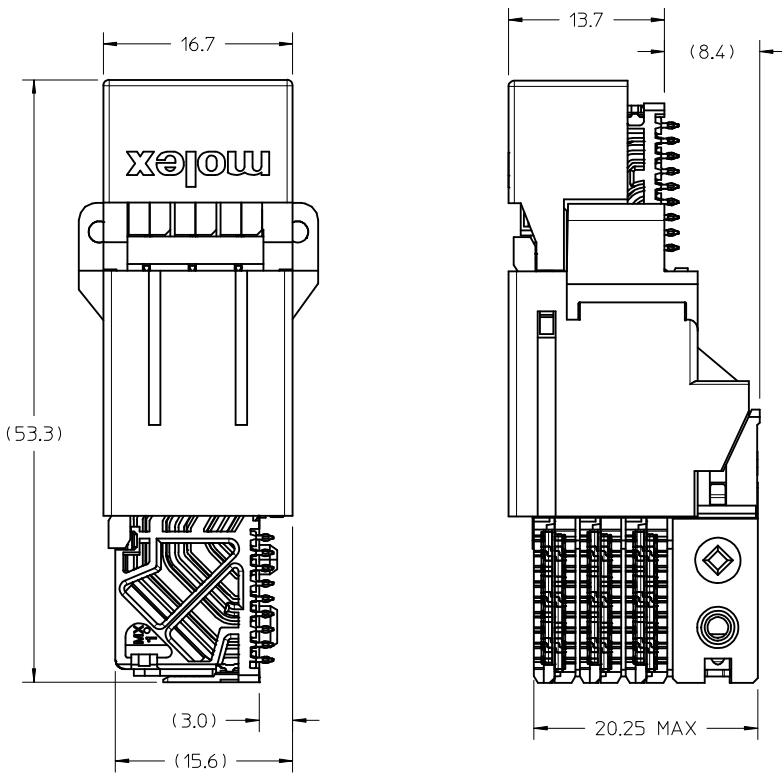
MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	MATE POSITION	DIM P	PTH Ø
171573-9634	6	18	270	4.90	0.46±0.05
171573-9635	6	18	270	5.50	0.46±0.05
171573-9637	6	18	270	4.90	0.39±0.05
171573-9638	6	18	270	5.50	0.39±0.05

SEE SHEET 1 EC NO: UCP2015-5544 DRWN: B. MILLER 2016/10/07 CHKD: APPR: TELO 2016/10/10	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY JMENDOZA	DATE 2012/12/14	TITLE IMPACT ORTHOGONAL DIRECT 3 PAIR RAM 90 & 270 ASSY BOTTOM GUIDED SALES DWG molex		
			4 PLACES	± ---	± ---	CHECKED BY TELO	DATE 2012/12/14			
			3 PLACES	± ---	± ---	APPROVED BY TELO	DATE 2013/12/26			
			2 PLACES	± 0.13	± ---	MATERIAL NO.			DOCUMENT NO.	
			1 PLACE	± 0.25	± ---	SEE CHART			SD-171573-0003	
			0 PLACE	±	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SHEET NO. 4 OF 4		
			ANGULAR ±1/2°		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



OD-RAM HOLE PATTERN (CONNECTOR SIDE)

2ND GATE AND OUTRIGGERS EC NO: UCP2015-5544 DRW:BJ MILLER 2016/10/07 CHKD: APPR:TELO 2016/10/10	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 2012/12/14	TITLE IMPACT ORTHOGONAL DIRECT 3 PAIR RAM 90 & 270 ASSY BOTTOM GUIDED SALES DWG				
			4 PLACES	± ---	± ---	CHECKED BY	DATE					
			3 PLACES	± ---	± ---	TELO	2012/12/14					
			2 PLACES	± 0.13	± ---	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED				
1 PLACE	± 0.25	± ---	TELO	2013/12/26								
			ANGULAR ±1/2°		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-171573-0003		SHEET NO. 1 OF 4			
			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							



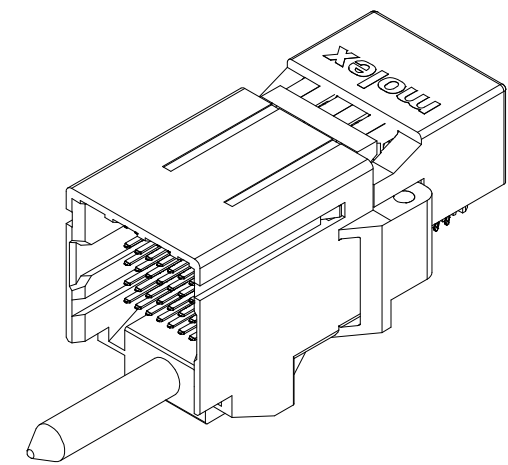
171573-96**

MODULE TYPE ———
9 = BOTTOM GUIDED, TIN

OF COLUMNS ———
6 = 6 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)

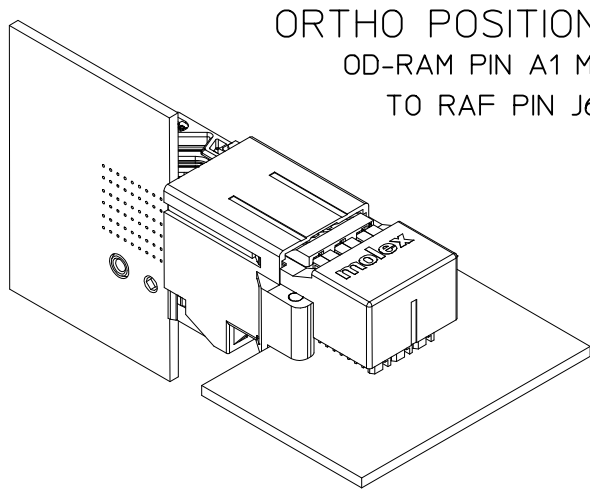
MATE POSITION
0 = 90 DEGREE
3 = 270 DEGREE



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-70873-8019.
 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.
 11. MARKING: LOCATED APPROXIMATELY AS SHOWN, ON BOTTOM OR TOP HOUSING.

SEE SHEET 1 EC NO: UCP2015-5544 DRWN:B MILLER 2016/10/07 CHKD: TELO APPR: TELO 2016/10/10	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 2012/12/14	TITLE IMPACT ORTHOGONAL DIRECT 3 PAIR RAM 90 & 270 ASSY BOTTOM GUIDED SALES DWG		
			4 PLACES	± ---	± ---	CHECKED BY TELO	DATE 2012/12/14			
			3 PLACES	± ---	± ---	APPROVED BY TELO	DATE 2013/12/26			
			2 PLACES	± 0.13	± ---	MATERIAL NO. TELO		DOCUMENT NO. SD-171573-0003	SHEET NO. 2 OF 4	
			1 PLACE	± 0.25	± ---	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		
					ANGULAR ±1/2°					



ORTHO POSITION 90°
OD-RAM PIN A1 MAPS
TO RAF PIN J6

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

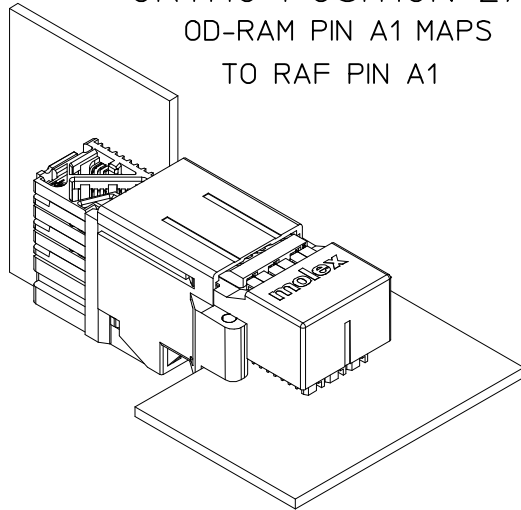
ORTHO PIN MAPPING					
OPTION 90 (NEARSIDE - FARSIDE)					
(A1-J6)	A2-H6	(A3-F6)	A4-E6	(A5-C6)	A6-B6
B1-J5	B2-G6	B3-F5	B4-D6	B5-C5	B6-A6
C1-H5	(C2-G5)	C3-E5	(C4-D5)	C5-B5	(C6-A5)
(D1-J4)	D2-H4	(D3-F4)	D4-E4	(D5-C4)	D6-B4
E1-J3	E2-G4	E3-F3	E4-D4	E5-C3	E6-A4
F1-H3	(F2-G3)	F3-E3	(F4-D3)	F5-B3	(F6-A3)
(G1-J2)	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 ϕ
171573-9604	6	18	90	4.90	0.46 $\pm$ 0.05
171573-9605	6	18	90	5.50	0.46 $\pm$ 0.05
171573-9607	6	18	90	4.90	0.39 $\pm$ 0.05
171573-9608	6	18	90	5.50	0.39 $\pm$ 0.05

SEE SHEET 1 EC NO: UCP2015-5544 DRWN: B. MILLER 2016/10/07 CHKD: APPR: TELO 2016/10/10	DESCRIPTION REV	QUALITY SYMBOLS $\nabla=0$ $\nabla=0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
					DRAWN BY JMENDOZA		DATE 2012/12/14	TITLE IMPACT ORTHOGONAL DIRECT 3 PAIR RAM 90 & 270 ASSY BOTTOM GUIDED SALES DWG MOLEX MOLEX INCORPORATED			
					CHECKED BY TELO		DATE 2012/12/14				
					APPROVED BY TELO		DATE 2013/12/26				
		ANGULAR $\pm 1/2^\circ$		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-171573-0003		3 OF 4			
				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 A1



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

ORTHO PIN MAPPING

OPTION 270 (NEAR SIDE - FAR SIDE)

(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
171573-9634	6	18	270	4.90	0.46±0.05
171573-9635	6	18	270	5.50	0.46±0.05
171573-9637	6	18	270	4.90	0.39±0.05
171573-9638	6	18	270	5.50	0.39±0.05

SEE SHEET 1 EC NO: UCP2015-5544 DRWN: B. MILLER 2016/10/07 CHKD: APPR: TELO 2016/10/10	DESCRIPTION REV	QUALITY SYMBOLS F=0 E=0 E=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY JMENDOZA	DATE 2012/12/14	TITLE IMPACT ORTHOGONAL DIRECT 3 PAIR RAM 90 & 270 ASSY BOTTOM GUIDED SALES DWG				
			4 PLACES	±---	±---	CHECKED BY TELO	DATE 2012/12/14					
			3 PLACES	±---	±---	APPROVED BY TELO						
			2 PLACES	±0.13	±---	MATERIAL NO.		DOCUMENT NO.	SHEET NO.			
			1 PLACE	±0.25	±---	SEE CHART		SD-171573-0003		4 OF 4		
			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									