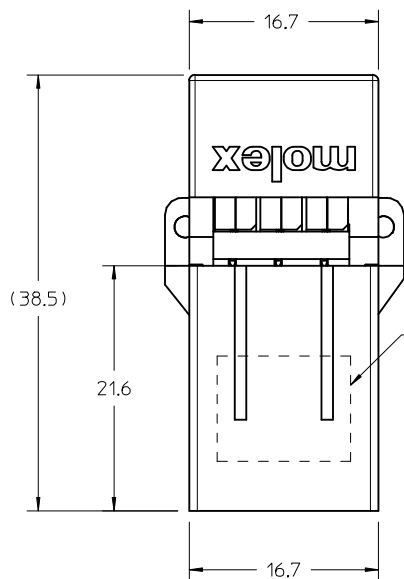
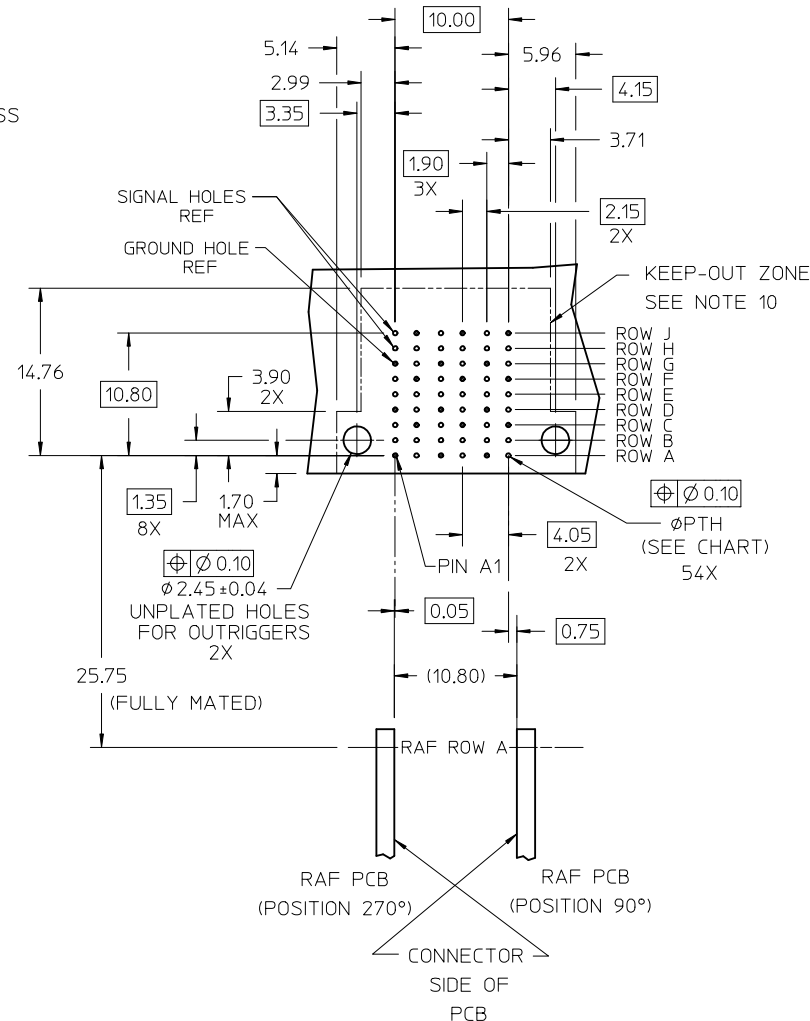
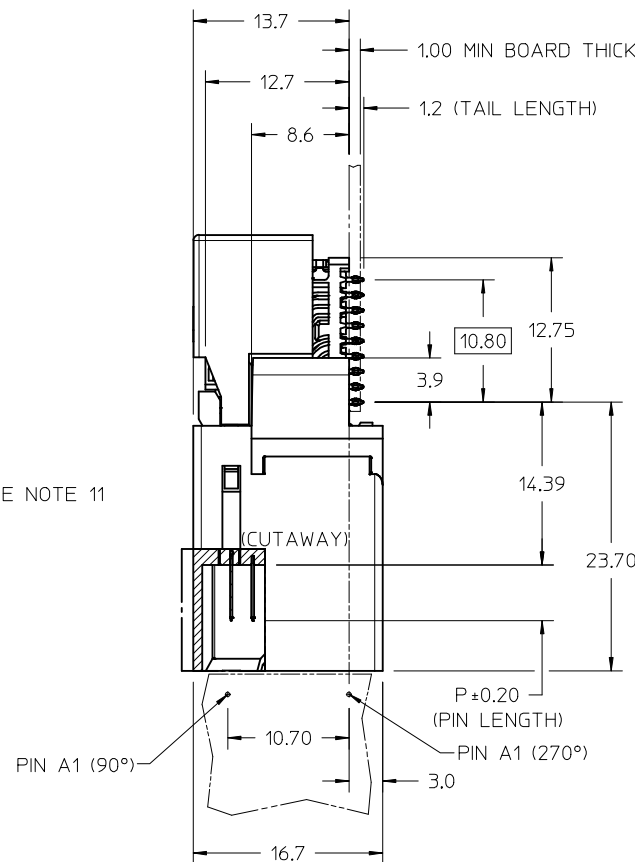
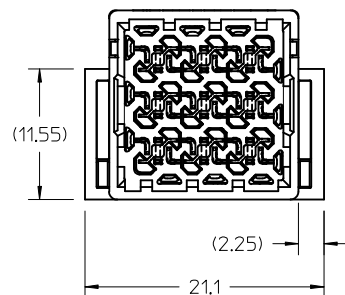


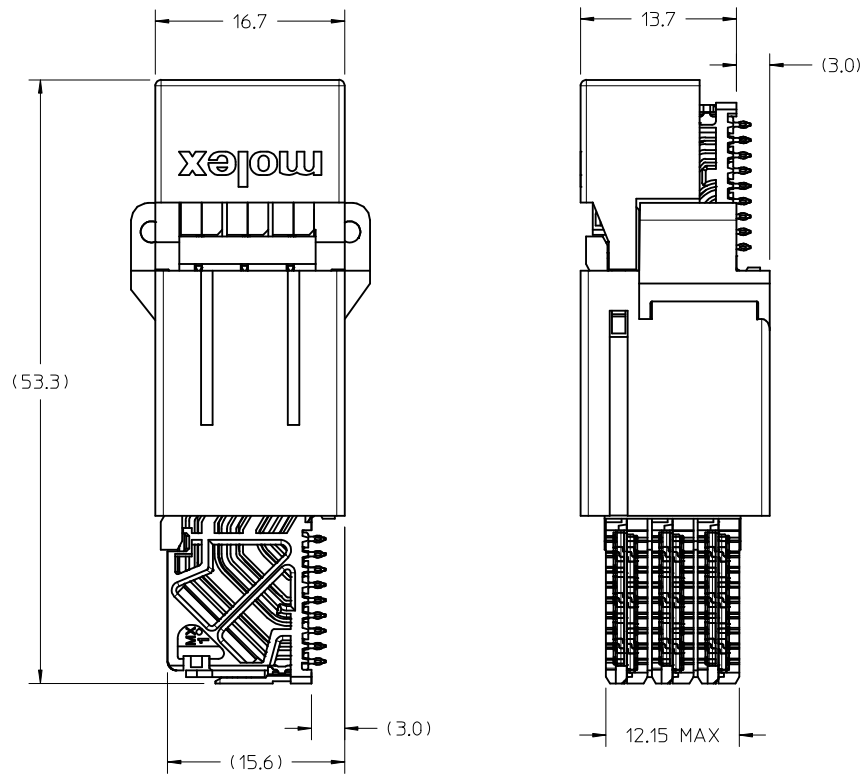


SEE NOTE 11



OD-RAM HOLE PATTERN (CONNECTOR SIDE)

2ND GATE AND OUTRIGGERS EC NO: UCP2015-5544 DRAWN BY: JRMWNB MILLER CHKD: TELLO APPR: TELLO DATE: 2016/10/07 DATE: 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 2012/08/20	TITLE IMPACT ORTHOGONAL DIRECT 3 PAIR RAM 90 & 270 ASSY UNGUIDED SALES DRAWING				
			4 PLACES	± ---	± ---	CHECKED BY TELO	DATE 2012/08/20	MOLEX MOLEX INCORPORATED				
			3 PLACES	± ---	± ---	APPROVED BY TELO	DATE 2013/12/26					
			2 PLACES	± 0.13	± ---	MATERIAL NO. SEE CHART		DOCUMENT NO. SD-171573-0001		SHEET NO. 1 OF 4		
		1 PLACE	± 0.25	± ---	SIZE THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
	REV		ANGULAR ±1/2°									
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									

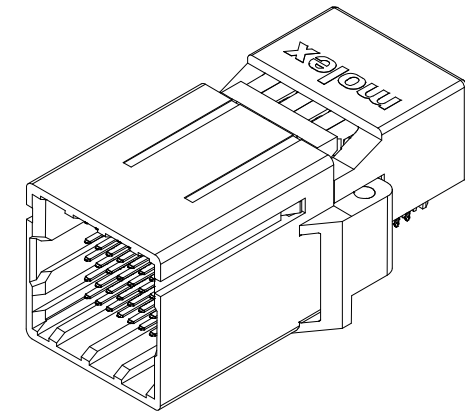


MODULE TYPE 171573-16**
1 = UNGUIDED, TIN

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
1 = 90 DEGREE
3 = 270 DEGREE



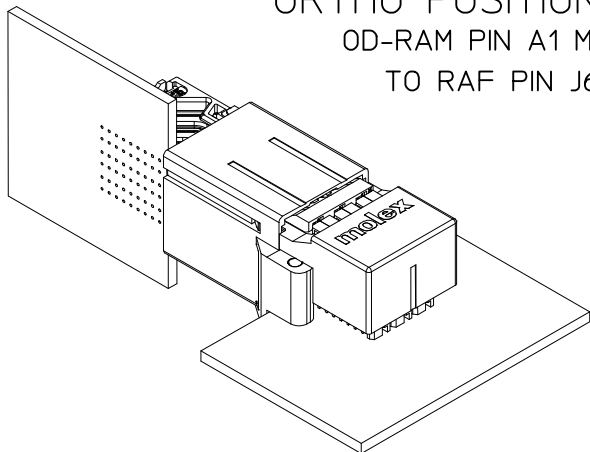
UNGUIDED OD-RAM

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-70873-8018.
- SEE SHEETS 3 FOR ORTHOGONAL PIN MAPPING.
- REFER TO MOLEX SALES DRAWING SD-76860-001 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.
PART NUMBER AND DATE CODE.

SEE SHEET 1	EC NO: UCP2015-5544 DRWN: B. MILLER 2016/10/07 CHKD: TELO APPR: TELO 2016/10/10	DESCRIPTION	REV	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 2012/08/20	TITLE IMPACT ORTHOGONAL DIRECT 3 PAIR RAM 90 & 270 ASSY UNGUIDED SALES DRAWING			
					4 PLACES	± ---	± ---	CHECKED BY TELO		DATE 2012/08/20				
					3 PLACES	± ---	± ---	APPROVED BY TELO		DATE 2013/12/26	MOLEX INCORPORATED			
					2 PLACES	± 0.13	± ---	MATERIAL NO.		DOCUMENT NO.				
1 PLACE	± 0.25	± ---	SEE CHART		SD-171573-0001		2 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								



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

ORTHO PIN MAPPING

OPTION 90 (NEAR SIDE - FAR SIDE)

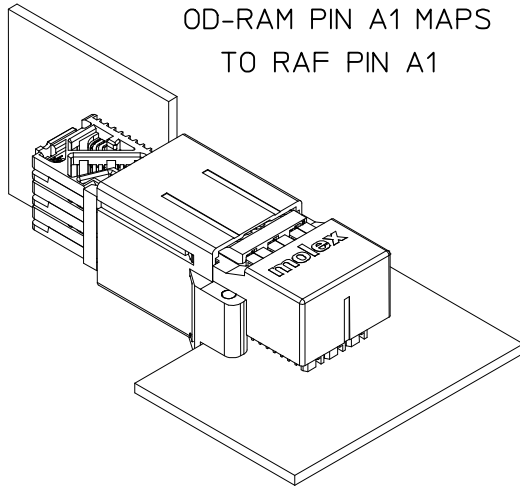
(A1-J6)	A2-H6	(A3-F6)	A4-E6	(A5-C6)	A6-B6
B1-J5	B2-G6	B3-F5	B4-D6	B5-C5	B6-A6
C1-H5	(C2-G5)	C3-E5	(C4-D5)	C5-B5	(C6-A5)
(D1-J4)	D2-H4	(D3-F4)	D4-E4	(D5-C4)	D6-B4
E1-J3	E2-G4	E3-F3	E4-D4	E5-C3	E6-A4
F1-H3	(F2-G3)	F3-E3	(F4-D3)	F5-B3	(F6-A3)
(G1-J2)	G2-H2	(G3-F2)	G4-E2	(G5-C2)	G6-B2
H1-J1	H2-G2	H3-F1	H4-D2	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
171573-1614	6	18	90	4.90	0.46 $\pm$ 0.05
171573-1615	6	18	90	5.50	0.46 $\pm$ 0.05
171573-1617	6	18	90	4.90	0.39 $\pm$ 0.05
171573-1618	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 2012/08/20		TITLE IMPACT ORTHOGONAL DIRECT 3 PAIR RAM 90 & 270 ASSY UNGUIDED SALES DRAWING MOLEX INCORPORATED		
					CHECKED BY TELO		DATE 2012/08/20				
					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-171573-0001		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



ORTHO PIN MAPPING

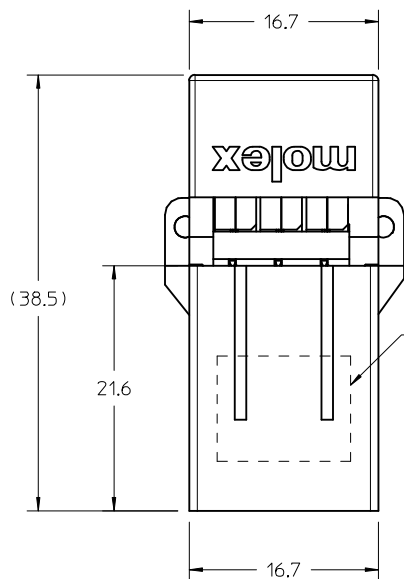
OPTION 270 (NEAR SIDE - FAR SIDE)

(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)

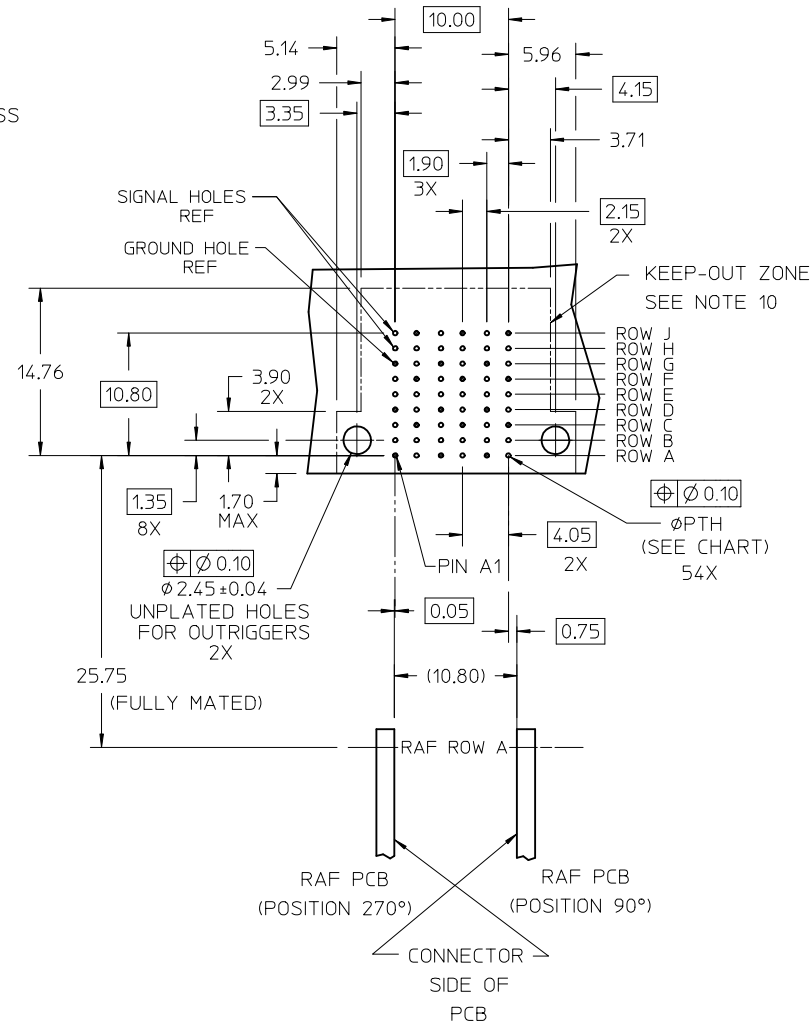
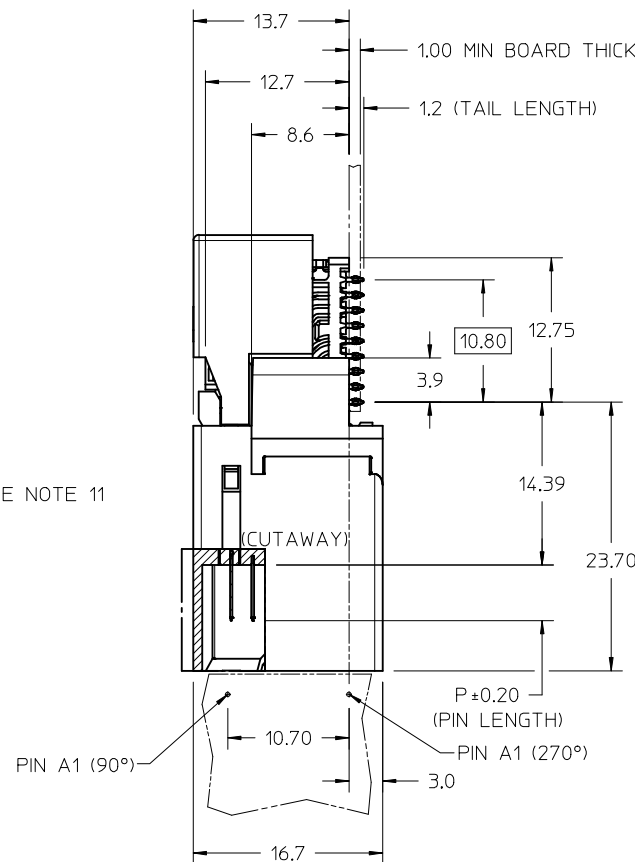
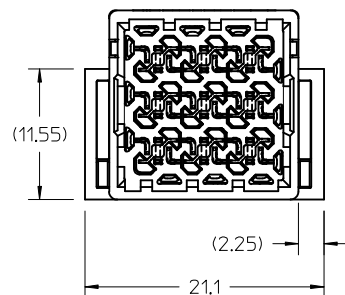
NOTE: PINOUTS SHOWN IN BALLOONS ARE GROUNDS.
GROUND PATHS ARE NOT DISCRETE CIRCUITS.

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	MATE POSITION	DIM P	PTH ϕ
171573-1634	6	18	270	4.90	0.46 $\pm$ 0.05
171573-1635	6	18	270	5.50	0.46 $\pm$ 0.05
171573-1637	6	18	270	4.90	0.39 $\pm$ 0.05
171573-1638	6	18	270	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	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				 =0  =0  =0	mm	INCH	DRAWN BY DATE		TITLE IMPACT ORTHOGONAL DIRECT 3 PAIR RAM 90 & 270 ASSY UNGUIDED SALES DRAWING		
							JMENDOZA 2012/08/20				
							CHECKED BY DATE				
							TELO 2012/08/20				
							APPROVED BY DATE				
				TELO 2013/12/26							
				MATERIAL NO.		DOCUMENT NO.		SHEET NO. 4 OF 4			
				ANGULAR $\pm 1/2^\circ$		SD-171573-0001					
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART					
SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

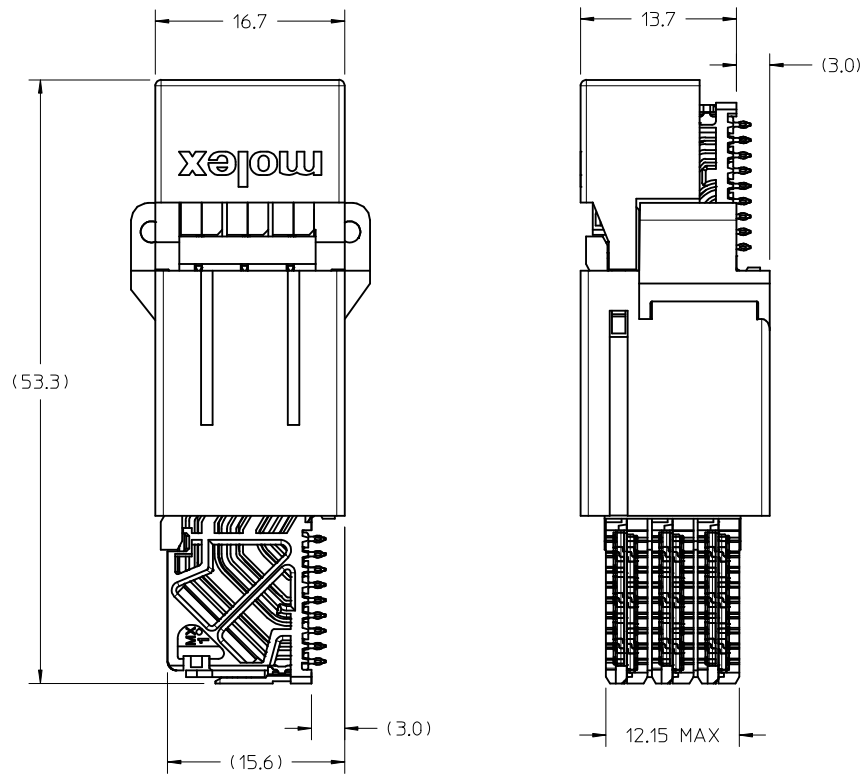


SEE NOTE 11



OD-RAM HOLE PATTERN (CONNECTOR SIDE)

2ND GATE AND OUTRIGGERS		EC NO: UCP2015-5544		DRAWN BY: JRM/MBJ/MILLER		CHKD: TELLO		APPR: TELLO		2016/10/07		2016/10/10		DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
																▽=0				MM ONLY		3:1		METRIC			
																▽=0		4 PLACES ± --- ± ---		DRAWN BY JMENDOZA		DATE 2012/08/20		IMPACT ORTHOGONAL DIRECT 3 PAIR RAM 90 & 270 ASSY UNGUIDED SALES DRAWING		MOLLEX MOLEX INCORPORATED	
																3 PLACES ± --- ± ---		CHECKED BY		DATE							
																2 PLACES ± 0.13 ± ---		TELO		2012/08/20							
																1 PLACE ± 0.25 ± ---		APPROVED BY		DATE							
																				TELO		2013/12/26					
																				ANGULAR ± 1/2°							
																				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-171573-0001		SHEET NO. 1 OF 4	
																				SIZE							

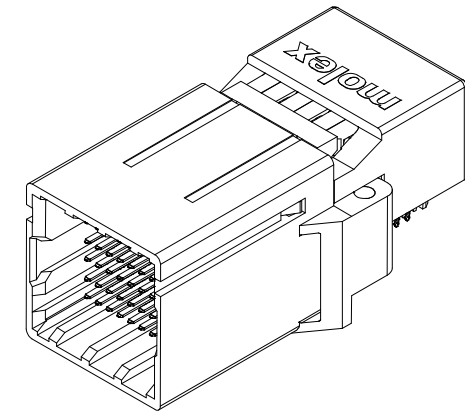


MODULE TYPE 171573-16**
1 = UNGUIDED, TIN

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
1 = 90 DEGREE
3 = 270 DEGREE



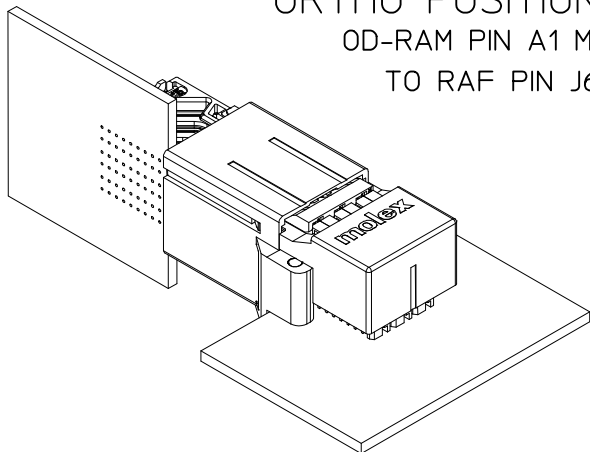
UNGUIDED OD-RAM

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-70873-8018.
- SEE SHEETS 3 FOR ORTHOGONAL PIN MAPPING.
- REFER TO MOLEX SALES DRAWING SD-76860-001 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.
PART NUMBER AND DATE CODE.

SEE SHEET 1	EC NO: UCP2015-5544 DRWN: B MILLER 2016/10/07 CHKD: 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 2012/08/20	TITLE IMPACT ORTHOGONAL DIRECT 3 PAIR RAM 90 & 270 ASSY UNGUIDED SALES DRAWING		
				4 PLACES	± ---	± ---	CHECKED BY TELO		DATE 2012/08/20			
				3 PLACES	± ---	± ---	APPROVED BY TELO		DATE 2013/12/26			
				2 PLACES	± 0.13	± ---	MATERIAL NO.		DOCUMENT NO.	SHEET NO.		
				1 PLACE	± 0.25	± ---	MOLEX INCORPORATED					
				ANGULAR ±1/2°		SEE CHART		SD-171573-0001		2 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				



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

ORTHO PIN MAPPING

OPTION 90 (NEAR SIDE - FAR SIDE)

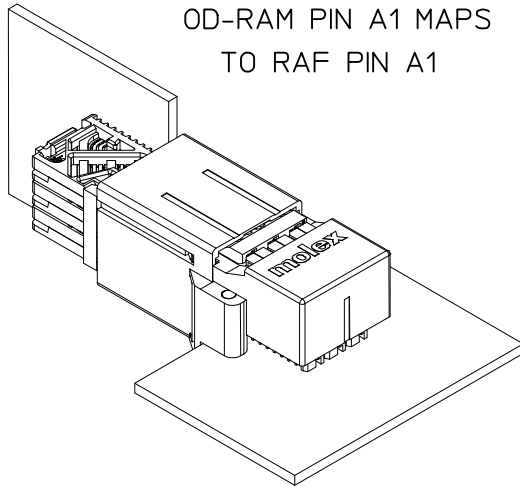
(A1-J6)	A2-H6	(A3-F6)	A4-E6	(A5-C6)	A6-B6
B1-J5	B2-G6	B3-F5	B4-D6	B5-C5	B6-A6
C1-H5	(C2-G5)	C3-E5	(C4-D5)	C5-B5	(C6-A5)
(D1-J4)	D2-H4	(D3-F4)	D4-E4	(D5-C4)	D6-B4
E1-J3	E2-G4	E3-F3	E4-D4	E5-C3	E6-A4
F1-H3	(F2-G3)	F3-E3	(F4-D3)	F5-B3	(F6-A3)
(G1-J2)	G2-H2	(G3-F2)	G4-E2	(G5-C2)	G6-B2
H1-J1	H2-G2	H3-F1	H4-D2	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
171573-1614	6	18	90	4.90	0.46 $\pm$ 0.05
171573-1615	6	18	90	5.50	0.46 $\pm$ 0.05
171573-1617	6	18	90	4.90	0.39 $\pm$ 0.05
171573-1618	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 ▽=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 2012/08/20	TITLE IMPACT ORTHOGONAL DIRECT 3 PAIR RAM 90 & 270 ASSY UNGUIDED SALES DRAWING MOLEX INCORPORATED			
			4 PLACES	± ---	± ---	CHECKED BY TELO	DATE 2012/08/20				
			3 PLACES	± ---	± ---	APPROVED BY TELO	DATE 2013/12/26				
			2 PLACES	± 0.13	± ---	MATERIAL NO.		DOCUMENT NO.		SHEET NO. 3 OF 4	
			1 PLACE	± 0.25	± ---	SEE CHART		SD-171573-0001			
			ANGULAR ±1/2°			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 270°
OD-RAM PIN A1 MAPS
TO RAF PIN A1



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 ϕ
171573-1634	6	18	270	4.90	0.46 $\pm$ 0.05
171573-1635	6	18	270	5.50	0.46 $\pm$ 0.05
171573-1637	6	18	270	4.90	0.39 $\pm$ 0.05
171573-1638	6	18	270	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	REV	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 2012/08/20	TITLE IMPACT ORTHOGONAL DIRECT 3 PAIR RAM 90 & 270 ASSY UNGUIDED SALES DRAWING molex				
				4 PLACES	± ---	± ---	CHECKED BY	DATE					
				3 PLACES	± ---	± ---	TELO	2012/08/20					
				2 PLACES	± 0.13	± ---	APPROVED BY		DATE	DOCUMENT NO. SD-171573-0001			
				1 PLACE	± 0.25	± ---	TELO		2013/12/26				
				0 PLACE	±	±	MATERIAL NO.						
ANGULAR ±1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SHEET NO. 4 OF 4							
SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											