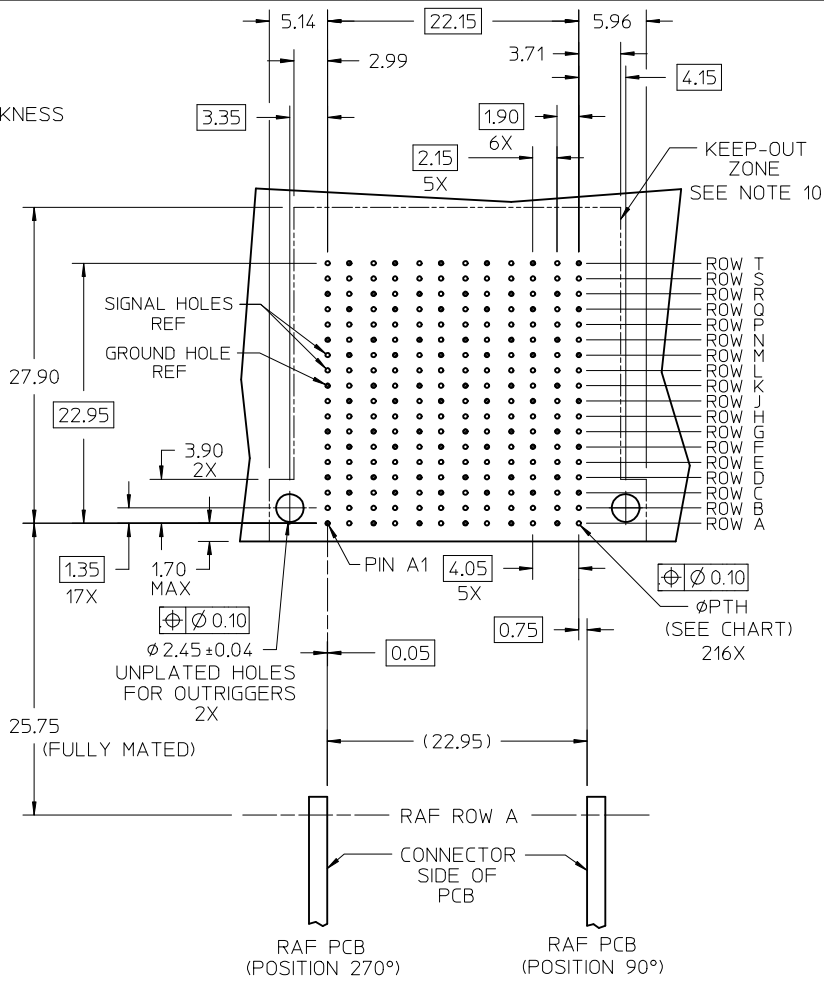
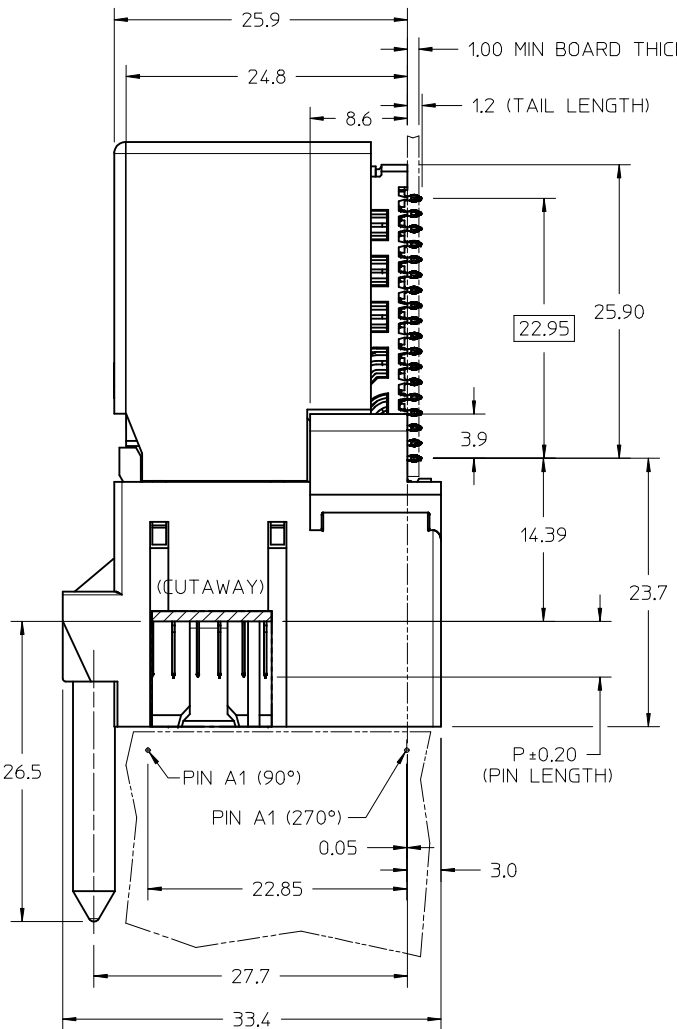
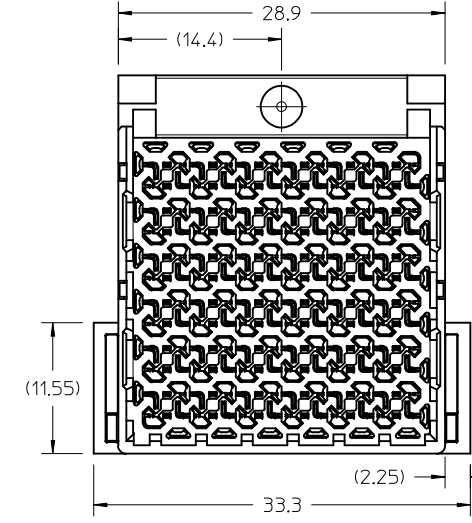
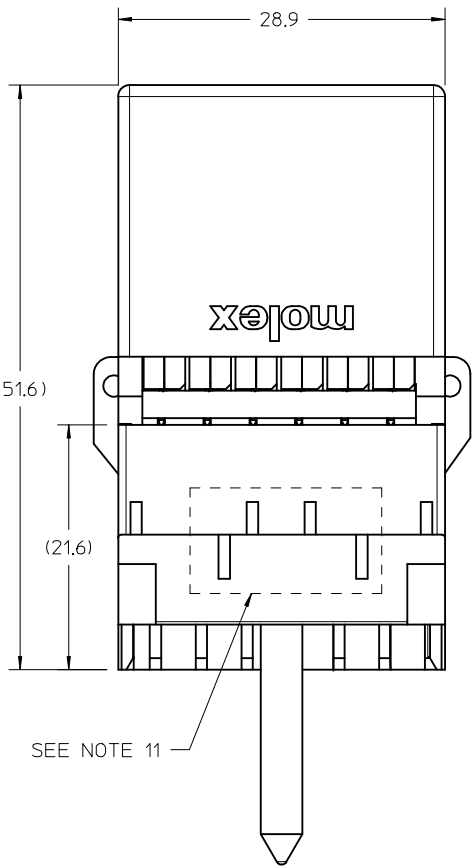
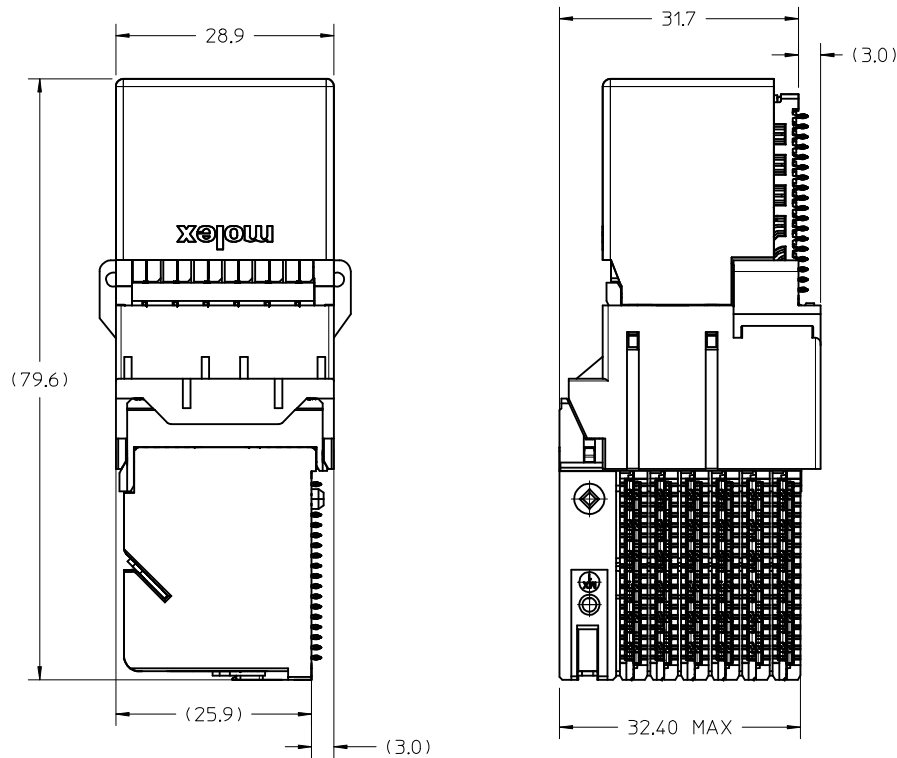




OD-RAM HOLE PATTERN
(CONNECTOR SIDE)

ADD LASER MARK INFO EC NO: UCP2016-3973 DRAWN: VARVARA 2015/07/29 CHKD: TELO 2016/02/22 APPR: TELO 2016/04/20 B2	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 6 PAIR RAM 90 & 270 ASSY TOP GUIDE SALES DRAWING				
				4 PLACES	± ---	± ---	CHECKED BY TELO	DATE 2013/12/21					
				3 PLACES	± ---	± ---	APPROVED BY TELO	DATE 2013/12/26					
				2 PLACES	± 0.13	± ---	MOLEX MOLEX INCORPORATED						
1 PLACE	± 0.25	± ---	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-171576-0002	SHEET NO. 1 OF 4								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									



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-70873-8024.
6. SEE SHEETS 3 AND 4 FOR ORTHOGONAL PIN MAPPING.
7. REFER TO SHEETS 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 OF THE
HOUSING. PART NUMBER AND DATE CODE.

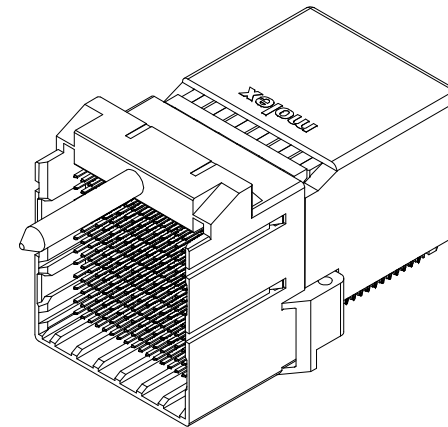
171576-72**

MODULE TYPE
7 = TOP GUIDED, TIN

OF COLUMNS
2 = 12 COLUMN

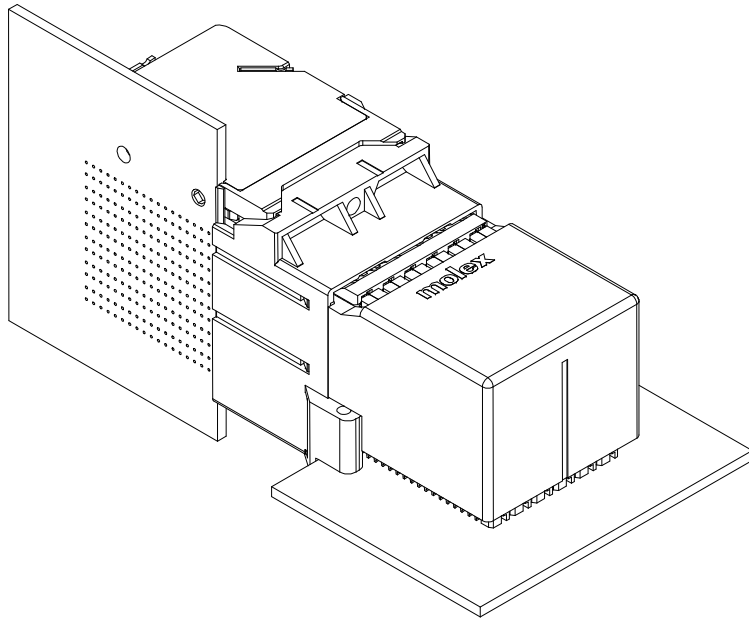
PIN LENGTH (P)
4 = 4.90 (0.46 PTH)
5 = 5.50 (0.46 PTH)
7 = 4.90 (0.39 PTH)
8 = 5.50 (0.39 PTH)

MATE POSITION
0 = 90 DEGREE
3 = 270 DEGREE



SEE SHEET 1 EC NO: UCP2016-3973 DRWNG:VARVARA CHKD:TELO APPR:TELO	REV B2	DESCRIPTION 2015/07/29 2016/02/22 2016/04/20	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 6 PAIR RAM 90 & 270 ASSY TOP GUIDE SALES DRAWING			
				mm	INCH	DRAWN BY JMENDOZA	DATE 2012/04/13							
				4 PLACES	± ---	± ---	CHECKED BY TELO	DATE 2013/12/21						
				3 PLACES	± ---	± ---	APPROVED BY TELO	DATE 2013/12/26						
				2 PLACES	± 0.13	± ---	molex MOLEX INCORPORATED							
				1 PLACE	± 0.25	± ---								
				ANGULAR ±1/2°			MATERIAL NO.		DOCUMENT NO.			SHEET NO.		
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART		SD-171576-0002			2 OF 4		
							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 T12



REFER TO MOLEX SALES DRAWING SD-76290-002
FOR MATING RECEPTACLES.

ORTHO PIN MAPPING

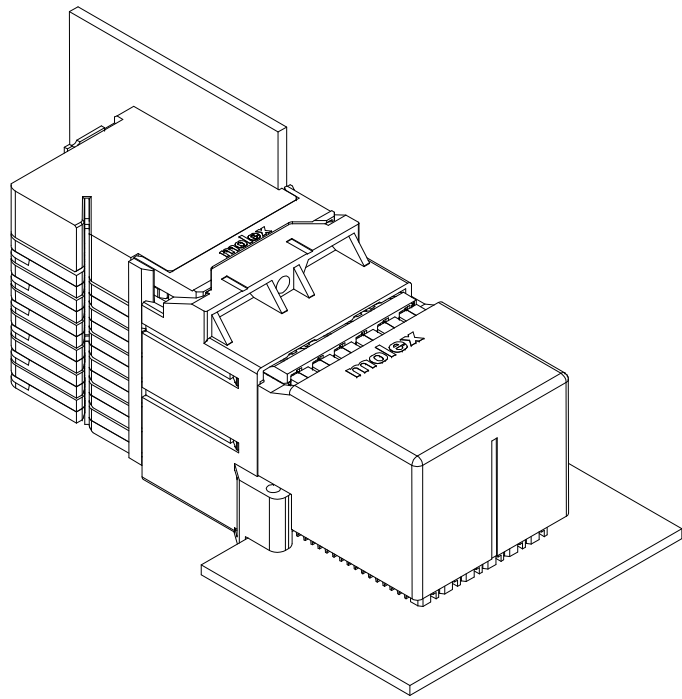
OPTION 90 (NEAR SIDE - FARSIDE)

(A1-T12)	A2-S12	(A3-Q12)	A4-P12	(A5-M12)	A6-L12	(A7-J12)	A8-H12	(A9-F12)	A10-E12	(A11-C12)	A12-B12
B1-T11	B2-R12	B3-Q11	B4-N12	B5-M11	B6-K12	B7-J11	B8-G12	B9-F11	B10-D12	B11-C11	B12-A12
C1-S11	(C2-R11)	C3-P11	(C4-N11)	C5-L11	(C6-K11)	C7-H11	(C8-G11)	C9-E11	(C10-D11)	C11-B11	(C12-A11)
(D1-T10)	D2-S10	(D3-Q10)	D4-P10	(D5-M10)	D6-L10	(D7-J10)	D8-H10	(D9-F10)	D10-E10	(D11-C10)	D12-B10
E1-T9	E2-R10	E3-Q9	E4-N10	E5-M9	E6-K10	E7-J9	E8-G10	E9-F9	E10-D10	E11-C9	E12-A10
F1-S9	(F2-R9)	F3-P9	(F4-N9)	F5-L9	(F6-K9)	F7-H9	(F8-G9)	F9-E9	(F10-D9)	F11-B9	(F12-A9)
(G1-T8)	G2-S8	(G3-Q8)	G4-P8	(G5-M8)	G6-L8	(G7-J8)	G8-H8	(G9-F8)	G10-E8	(G11-C8)	G12-B8
H1-T7	H2-R8	H3-Q7	H4-N8	H5-M7	H6-K8	H7-J7	H8-G8	H9-F7	H10-D8	H11-C7	H12-A8
J1-S7	(J2-R7)	J3-P7	(J4-N7)	J5-L7	(J6-K7)	J7-H7	(J8-G7)	J9-E7	(J10-D7)	J11-B7	(J12-A7)
(K1-T6)	K2-S6	(K3-Q6)	K4-P6	(K5-M6)	K6-L6	(K7-J6)	K8-H6	(K9-F6)	K10-E6	(K11-C6)	K12-B6
L1-T5	L2-R6	L3-Q5	L4-N6	L5-M5	L6-K6	L7-J5	L8-G6	L9-F5	L10-D6	L11-C5	L12-A6
M1-S5	(M2-R5)	M3-P5	(M4-N5)	M5-L5	(M6-K5)	M7-H5	(M8-G5)	M9-E5	(M10-D5)	M11-B5	(M12-A5)
(N1-T4)	N2-S4	(N3-Q4)	N4-P4	(N5-M4)	N6-L4	(N7-J4)	N8-H4	(N9-F4)	N10-E4	(N11-C4)	N12-B4
P1-T3	P2-R4	P3-Q3	P4-N4	P5-M3	P6-K4	P7-J3	P8-G4	P9-F3	P10-D4	P11-C3	P12-A4
Q1-S3	(Q2-R3)	Q3-P3	(Q4-N3)	Q5-L3	(Q6-K3)	Q7-H3	(Q8-G3)	Q9-E3	(Q10-D3)	Q11-B3	(Q12-A3)
(R1-T2)	R2-S2	(R3-Q2)	R4-P2	(R5-M2)	R6-L2	(R7-J2)	R8-H2	(R9-F2)	R10-E2	(R11-C2)	R12-B2
S1-T1	S2-R2	S3-Q1	S4-N2	S5-M1	S6-K2	S7-J1	S8-G2	S9-F1	S10-D2	S11-C1	S12-A2
T1-S1	(T2-R1)	T3-P1	(T4-N1)	T5-L1	(T6-K1)	T7-H1	(T8-G1)	T9-E1	(T10-D1)	T11-B1	(T12-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
171576-7204	12	72	90	4.90	0.46 $\pm$ 0.05
171576-7205	12	72	90	5.50	0.46 $\pm$ 0.05
171576-7207	12	72	90	4.90	0.39 $\pm$ 0.05
171576-7208	12	72	90	5.50	0.39 $\pm$ 0.05

SEE SHEET 1 EC NO: UCP2016-3973 DRAWN BY: DRWINDVARVARA CHKD: TELO APPR: TELO REV: B2	QUALITY SYMBOLS $\nabla = 0$ $\nabla = 0$ $\nabla = 0$	DESCRIPTION 2015/07/29 2016/02/22 2016/04/20	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
					DRAWN BY JMENDOZA		DATE 2012/04/13	TITLE IMPACT ORTHOGONAL DIRECT 6 PAIR RAM 90 & 270 ASSY TOP GUIDE SALES DRAWING MOLEX INCORPORATED SD-171576-0002			
					CHECKED BY TELO		DATE 2013/12/21				
					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-171576-0002		3 OF 4		
					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

REFER TO MOLEX SALES DRAWING SD-76290-004
FOR MATING RECEPTACLES.

ORTHO PIN MAPPING

OPTION 270 (NEARSIDE - FAR SIDE)

(A1-A1)	A2-B1	(A3-D1)	A4-E1	(A5-G1)	A6-H1	(A7-K1)	A8-L1	(A9-N1)	A10-P1	(A11-R1)	A12-S1
B1-A2	B2-C1	B3-D2	B4-F1	B5-G2	B6-J1	B7-K2	B8-M1	B9-N2	B10-Q1	B11-R2	B12-T1
C1-B2	(C2-C2)	C3-E2	(C4-F2)	C5-H2	(C6-J2)	C7-L2	(C8-M2)	C9-P2	(C10-Q2)	C11-S2	(C12-T2)
(D1-A3)	D2-B3	(D3-D3)	D4-E3	(D5-G3)	D6-H3	(D7-K3)	D8-L3	(D9-N3)	D10-P3	(D11-R3)	D12-S3
E1-A4	E2-C3	E3-D4	E4-F3	E5-G4	E6-J3	E7-K4	E8-M3	E9-N4	E10-Q3	E11-R4	E12-T3
F1-B4	(F2-C4)	F3-E4	(F4-F4)	F5-H4	(F6-J4)	F7-L4	(F8-M4)	F9-P4	(F10-Q4)	F11-S4	(F12-T4)
(G1-A5)	G2-B5	(G3-D5)	G4-E5	(G5-G5)	G6-H5	(G7-K5)	G8-L5	(G9-N5)	G10-P5	(G11-R5)	G12-S5
H1-A6	H2-C5	H3-D6	H4-F5	H5-G6	H6-J5	H7-K6	H8-M5	H9-N6	H10-Q5	H11-R6	H12-T5
J1-B6	(J2-C6)	J3-E6	(J4-F6)	J5-H6	(J6-J6)	J7-L6	(J8-M6)	J9-P6	(J10-Q6)	J11-S6	(J12-T6)
(K1-A7)	K2-B7	(K3-D7)	K4-E7	(K5-G7)	K6-H7	(K7-K7)	K8-L7	(K9-N7)	K10-P7	(K11-R7)	K12-S7
L1-A8	L2-C7	L3-D8	L4-F7	L5-G8	L6-J7	L7-K8	L8-M7	L9-N8	L10-Q7	L11-R8	L12-T7
M1-B8	(M2-C8)	M3-E8	(M4-F8)	M5-H8	(M6-J8)	M7-L8	(M8-M8)	M9-P8	(M10-Q8)	M11-S8	(M12-T8)
(N1-A9)	N2-B9	(N3-D9)	N4-E9	(N5-G9)	N6-H9	(N7-K9)	N8-L9	(N9-N9)	N10-P9	(N11-R9)	N12-S9
P1-A10	P2-C9	P3-D10	P4-F9	P5-G10	P6-J9	P7-K10	P8-M9	P9-N10	P10-Q9	P11-R10	P12-T9
Q1-B10	(Q2-C10)	Q3-E10	(Q4-F10)	Q5-H10	(Q6-J10)	Q7-L10	(Q8-M10)	Q9-P10	(Q10-Q10)	Q11-S10	(Q12-T10)
(R1-A11)	R2-B11	(R3-D11)	R4-E11	(R5-G11)	R6-H11	(R7-K11)	R8-L11	(R9-N11)	R10-P11	(R11-R11)	R12-S11
S1-A12	S2-C11	S3-D12	S4-F11	S5-G12	S6-J11	S7-K12	S8-M11	S9-N12	S10-Q11	S11-R12	S12-T11
T1-B12	(T2-C12)	T3-E12	(T4-F12)	T5-H12	(T6-J12)	T7-L12	(T8-M12)	T9-P12	(T10-Q12)	T11-S12	(T12-T12)

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
171576-7234	12	72	270	4.90	0.46±0.05
171576-7235	12	72	270	5.50	0.46±0.05
171576-7237	12	72	270	4.90	0.39±0.05
171576-7238	12	72	270	5.50	0.39±0.05

SEE SHEET 1 EC NO: UCP2016-3973 DRAWN: VARVARA CHKD: TELO APPR: TELO REV B2	DESCRIPTION	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 2012/04/13	TITLE IMPACT ORTHOGONAL DIRECT 6 PAIR RAM 90 & 270 ASSY TOP GUIDE SALES DRAWING	MOLEX INCORPORATED	DOCUMENT NO. SD-171576-0002	SHEET NO. 4 OF 4
			4 PLACES	± ---	± ---	CHECKED BY TELO	DATE 2013/12/21				
			3 PLACES	± ---	± ---	APPROVED BY TELO	DATE 2013/12/26				
			2 PLACES	± 0.13	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
			1 PLACE	± 0.25	± ---						
			ANGULAR ±1/2°		MATERIAL NO.						
					SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				