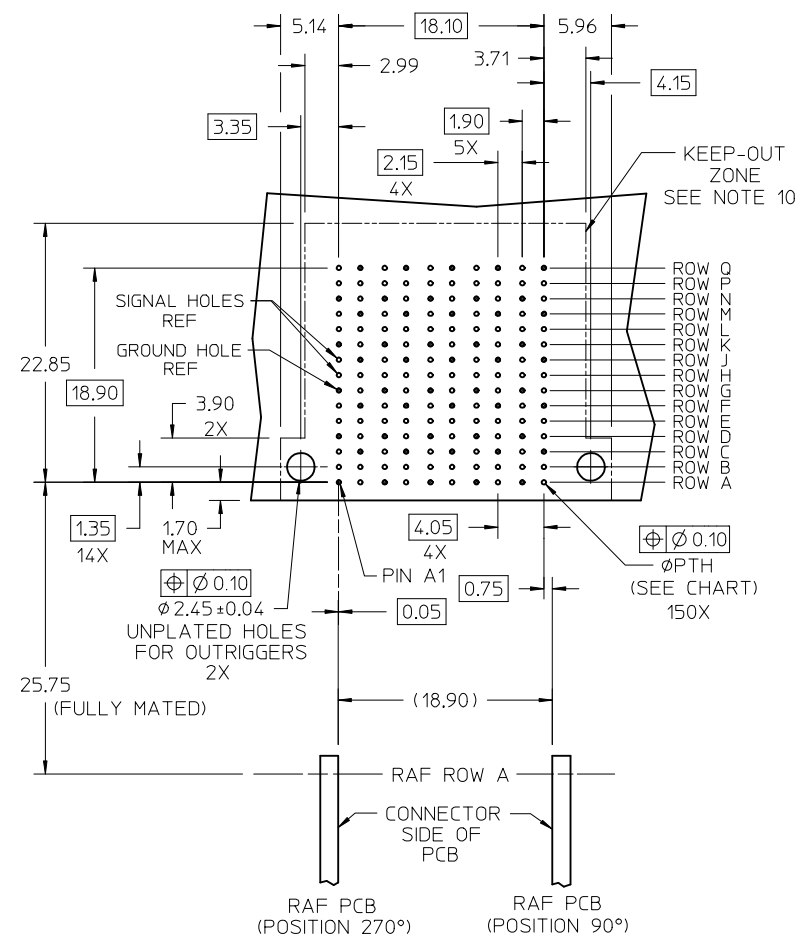
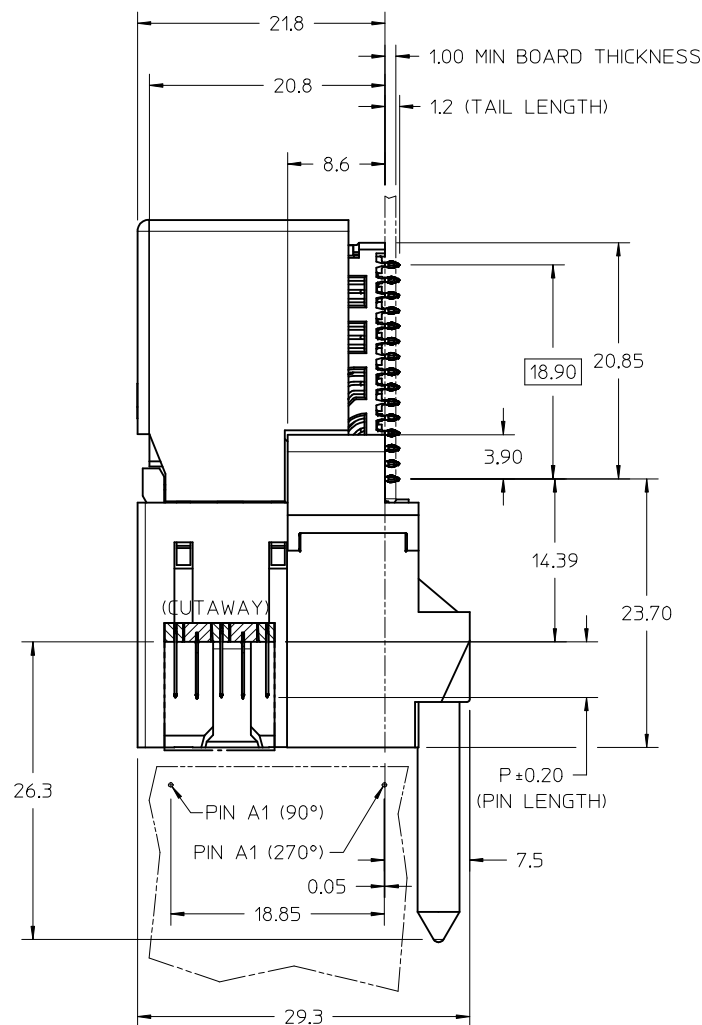
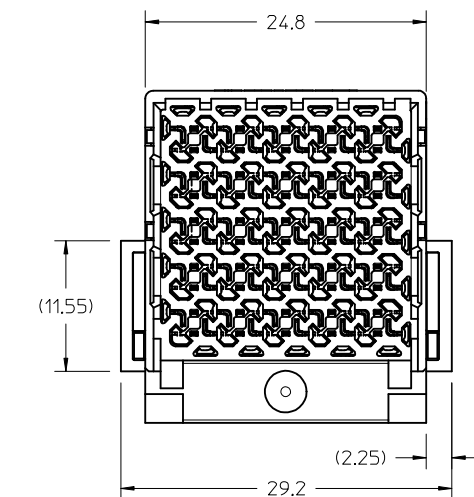
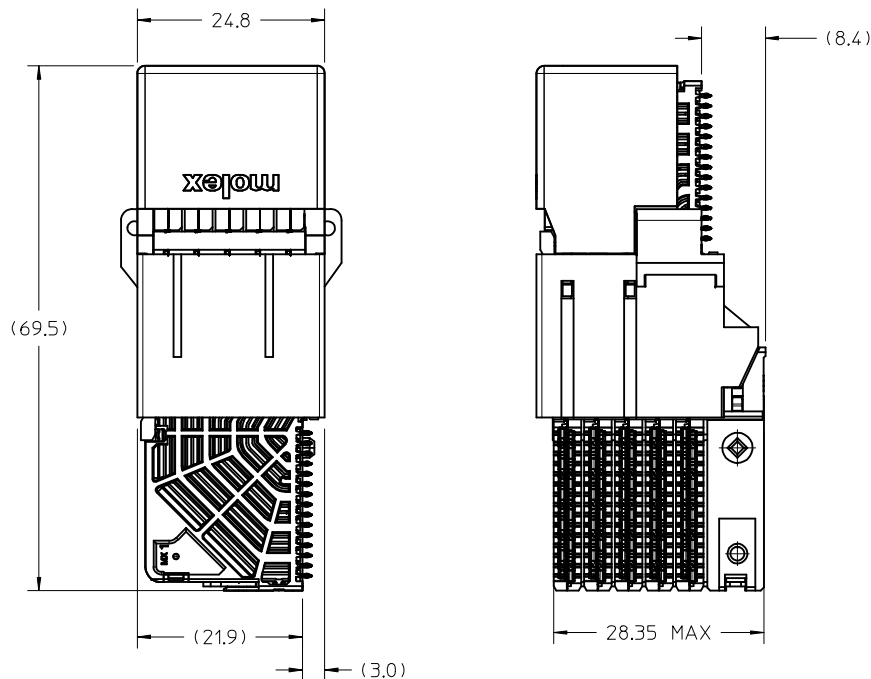




OD-RAM HOLE PATTERN
(CONNECTOR SIDE)

MOVE P/N TABLE EC NO: UCP2014-4310 DRWNB MILLER 2014/04/11 CHKD: APPR: TELO 2014/04/12 B1	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>2012/11/09</td></tr><tr><td>CHECKED BY</td><td>DATE</td></tr><tr><td>TELO</td><td>2012/12/04</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	2012/11/09	CHECKED BY	DATE	TELO	2012/12/04	APPROVED BY	DATE	TELO	2013/12/26	TITLE IMPACT ORTHOGONAL DIRECT 5 PAIR RAM 90 & 270 ASSY BOTTOM GUIDE SALES DWG			
				mm	INCH																																		
			4 PLACES	± ---	± ---																																		
			3 PLACES	± ---	± ---																																		
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TELO	2012/12/04																																						
APPROVED BY	DATE																																						
TELO	2013/12/26																																						
						 MOLEX INCORPORATED																																	
MATERIAL NO. SEE CHART						DOCUMENT NO. SD-171575-0003		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																																	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																																							



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-70873-8023.
6. SEE SHEETS 3 AND 4 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.

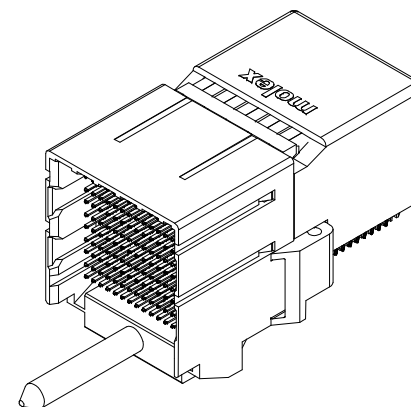
171575-91**

MODULE TYPE
9 = BOTTOM GUIDED, TIN

OF COLUMNS
1 = 10 COLUMN

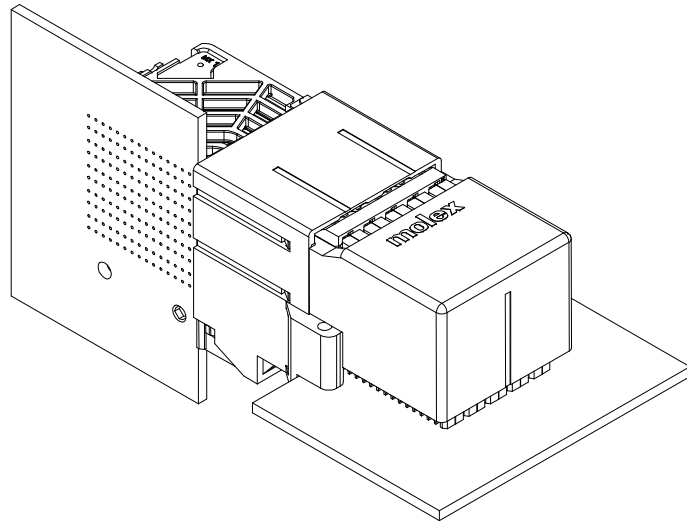
PIN LENGTH (P)
4 = 4.90 (0.46 PTH)
5 = 5.50 (0.46 PTH)
7 = 4.90 (0.39 PTH)
8 = 5.50 (0.39 PTH)

MATE POSITION
0 = 90 DEGREE
3 = 270 DEGREE



SEE SHEET 1 EC NO: UCP2014-4310 DRWN:BJ MILLER 2014/04/11 CHKD: APPR:TELO 2014/04/21	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 5 PAIR RAM 90 & 270 ASSY BOTTOM GUIDE SALES DWG
					mm	INCH	DRAWN BY JMENDOZA	DATE 2012/11/09	DOCUMENT NO. SD-171575-0003			
				4 PLACES	± ---	± ---	CHECKED BY TELO	DATE 2012/12/04				
				3 PLACES	± ---	± ---	APPROVED BY TELO	DATE 2013/12/26				
				2 PLACES	± 0.13	± ---	MATERIAL NO.		SHEET NO.			
				1 PLACE	± 0.25	± ---	SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
				ANGULAR ±1/2°			SEE CHART		SD-171575-0003			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS												

ORTHO POSITION 90°
OD-RAM PIN A1 MAPS
TO RAF PIN Q10



REFER TO MOLEX SALES DRAWING SD-76990-004
FOR MATING RECEPTACLES.

ORTHO PIN MAPPING

OPTION 90 (NEAR SIDE - FAR SIDE)

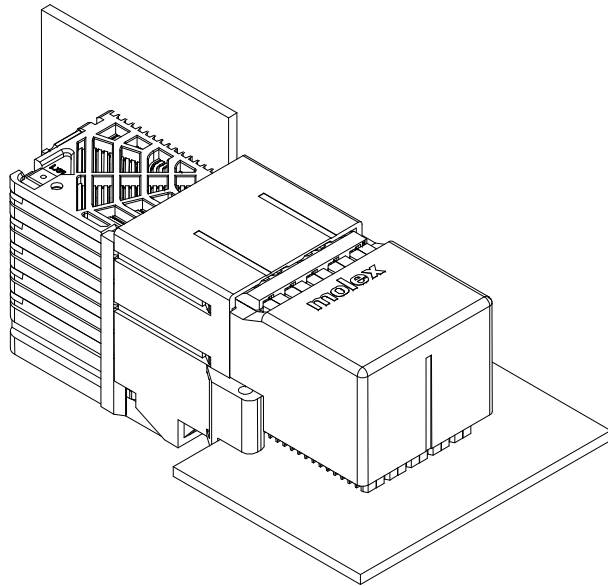
(A1-Q10)	A2-P10	(A3-M10)	A4-L10	(A5-J10)	A6-H10	(A7-F10)	A8-E10	(A9-C10)	A10-B10
B1-Q9	B2-N10	B3-M9	B4-K10	B5-J9	B6-G10	B7-F9	B8-D10	B9-C9	B10-A10
C1-P9	(C2-N9)	C3-L9	(C4-K9)	C5-H9	(C6-G9)	C7-E9	(C8-D9)	C9-B9	(C10-A9)
(D1-Q8)	D2-P8	(D3-M8)	D4-L8	(D5-J8)	D6-H8	(D7-F8)	D8-E8	(D9-C8)	D10-B8
E1-Q7	E2-N8	E3-M7	E4-K8	E5-J7	E6-G8	E7-F7	E8-D8	E9-C7	E10-A8
F1-P7	(F2-N7)	F3-L7	(F4-K7)	F5-H7	(F6-G7)	F7-E7	(F8-D7)	F9-B7	(F10-A7)
(G1-Q6)	G2-P6	(G3-M6)	G4-L6	(G5-J6)	G6-H6	(G7-F6)	G8-E6	(G9-C6)	G10-B6
H1-Q5	H2-N6	H3-M5	H4-K6	H5-J5	H6-G6	H7-F5	H8-D6	H9-C5	H10-A6
J1-P5	(J2-N5)	J3-L5	(J4-K5)	J5-H5	(J6-G5)	J7-E5	(J8-D5)	J9-B5	(J10-A5)
(K1-Q4)	K2-P4	(K3-M4)	K4-L4	(K5-J4)	K6-H4	(K7-F4)	K8-E4	(K9-C4)	K10-B4
L1-Q3	L2-N4	L3-M3	L4-K4	L5-J3	L6-G4	L7-F3	L8-D4	L9-C3	L10-A4
M1-P3	(M2-N3)	M3-L3	(M4-K3)	M5-H3	(M6-G3)	M7-E3	(M8-D3)	M9-B3	(M10-A3)
(N1-Q2)	N2-P2	(N3-M2)	N4-L2	(N5-J2)	N6-H2	(N7-F2)	N8-E2	(N9-C2)	N10-B2
P1-Q1	P2-N2	P3-M1	P4-K2	P5-J1	P6-G2	P7-F1	P8-D2	P9-C1	P10-A2
Q1-P1	(Q2-N1)	Q3-L1	(Q4-K1)	Q5-H1	(Q6-G1)	Q7-E1	(Q8-D1)	Q9-B1	(Q10-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
171575-9104	10	50	90	4.90	0.46 $\pm$ 0.05
171575-9105	10	50	90	5.50	0.46 $\pm$ 0.05
171575-9107	10	50	90	4.90	0.39 $\pm$ 0.05
171575-9108	10	50	90	5.50	0.39 $\pm$ 0.05

SEE SHEET 1 EC NO: UCP2014-4310 DRAWN BY MILLER 2014/04/11 CHKD: APPR:TELO 2014/04/21 B1	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 2012/11/09	TITLE IMPACT ORTHOGONAL DIRECT 5 PAIR RAM 90 & 270 ASSY BOTTOM GUIDE SALES DWG				
			4 PLACES ± ---	± ---	CHECKED BY TELO	DATE 2012/12/04					
			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-171575-0003		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-76990-002
FOR MATING RECEPTACLES.

ORTHO PIN MAPPING

OPTION 270 (NEAR SIDE - FAR SIDE)

(A1-A1)	A2-B1	(A3-D1)	A4-E1	(A5-G1)	A6-H1	(A7-K1)	A8-L1	(A9-N1)	A10-P1
B1-A2	B2-C1	B3-D2	B4-F1	B5-G2	B6-J1	B7-K2	B8-M1	B9-N2	B10-Q1
C1-B2	(C2-C2)	C3-E2	(C4-F2)	C5-H2	(C6-J2)	C7-L2	(C8-M2)	C9-P2	(C10-Q2)
(D1-A3)	D2-B3	(D3-D3)	D4-E3	(D5-G3)	D6-H3	(D7-K3)	D8-L3	(D9-N3)	D10-P3
E1-A4	E2-C3	E3-D4	E4-F3	E5-G4	E6-J3	E7-K4	E8-M3	E9-N4	E10-Q3
F1-B4	(F2-C4)	F3-E4	(F4-F4)	F5-H4	(F6-J4)	F7-L4	(F8-M4)	F9-P4	(F10-Q4)
(G1-A5)	G2-B5	(G3-D5)	G4-E5	(G5-G5)	G6-H5	(G7-K5)	G8-L5	(G9-N5)	G10-P5
H1-A6	H2-C5	H3-D6	H4-F5	H5-G6	H6-J5	H7-K6	H8-M5	H9-N6	H10-Q5
J1-B6	(J2-C6)	J3-E6	(J4-F6)	J5-H6	(J6-J6)	J7-L6	(J8-M6)	J9-P6	(J10-Q6)
(K1-A7)	K2-B7	(K3-D7)	K4-E7	(K5-G7)	K6-H7	(K7-K7)	K8-L7	(K9-N7)	K10-P7
L1-A8	L2-C7	L3-D8	L4-F7	L5-G8	L6-J7	L7-K8	L8-M7	L9-N8	L10-Q7
M1-B8	(M2-C8)	M3-E8	(M4-F8)	M5-H8	(M6-J8)	M7-L8	(M8-M8)	M9-P8	(M10-Q8)
(N1-A9)	N2-B9	(N3-D9)	N4-E9	(N5-G9)	N6-H9	(N7-K9)	N8-L9	(N9-N9)	N10-P9
P1-A10	P2-C9	P3-D10	P4-F9	P5-G10	P6-J9	P7-K10	P8-M9	P9-N10	P10-Q9
Q1-B10	(Q2-C10)	Q3-E10	(Q4-F10)	Q5-H10	(Q6-J10)	Q7-L10	(Q8-M10)	Q9-P10	(Q10-Q10)

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
171575-9134	10	50	270	4.90	0.46±0.05
171575-9135	10	50	270	5.50	0.46±0.05
171575-9137	10	50	270	4.90	0.39±0.05
171575-9138	10	50	270	5.50	0.39±0.05

SEE SHEET 1 EC NO: UCP2014-4310 DRWN: B. MILLER 2014/04/11 CHKD: APPR: TELO 2014/04/21	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 2012/11/09	
		4 PLACES ± ---		± ---		CHECKED BY TELO		DATE 2012/12/04	
		3 PLACES ± ---		± ---		APPROVED BY TELO		DATE 2013/12/26	
2 PLACES ± 0.13		± ---		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
1 PLACE ± 0.25		± ---		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-171575-0003	
ANGULAR ± 1/2°		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					