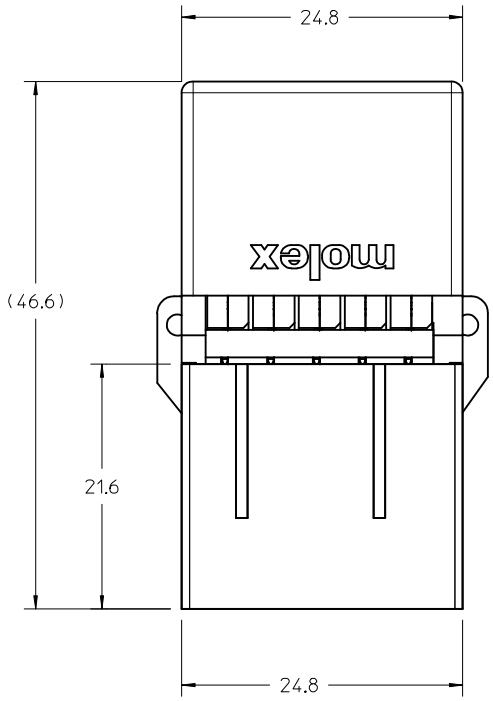
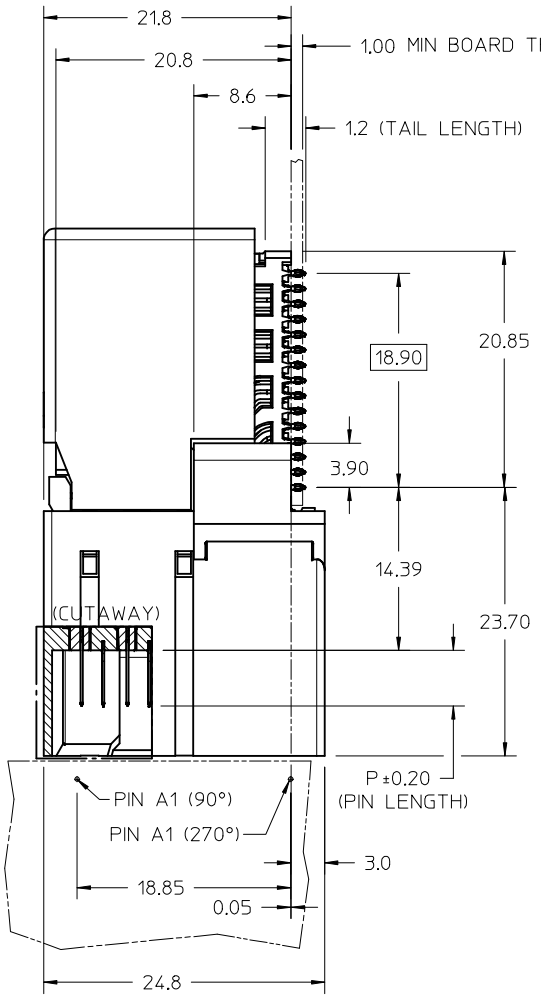
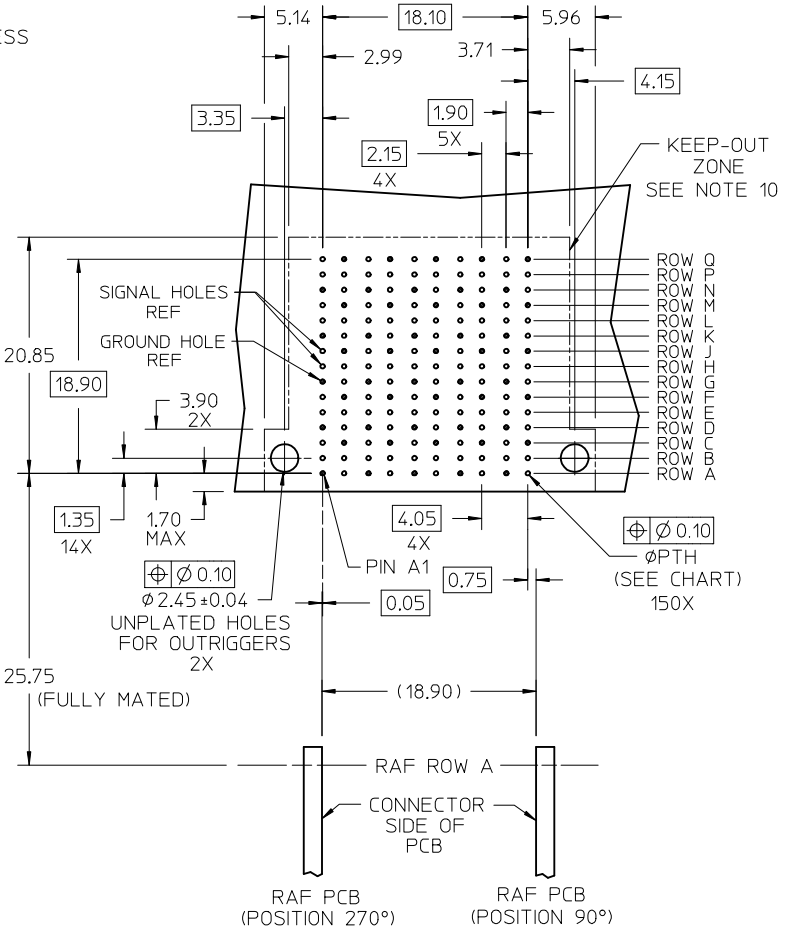
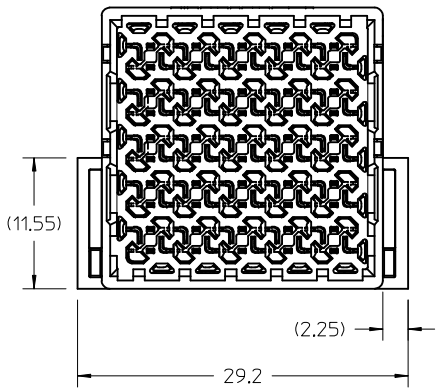




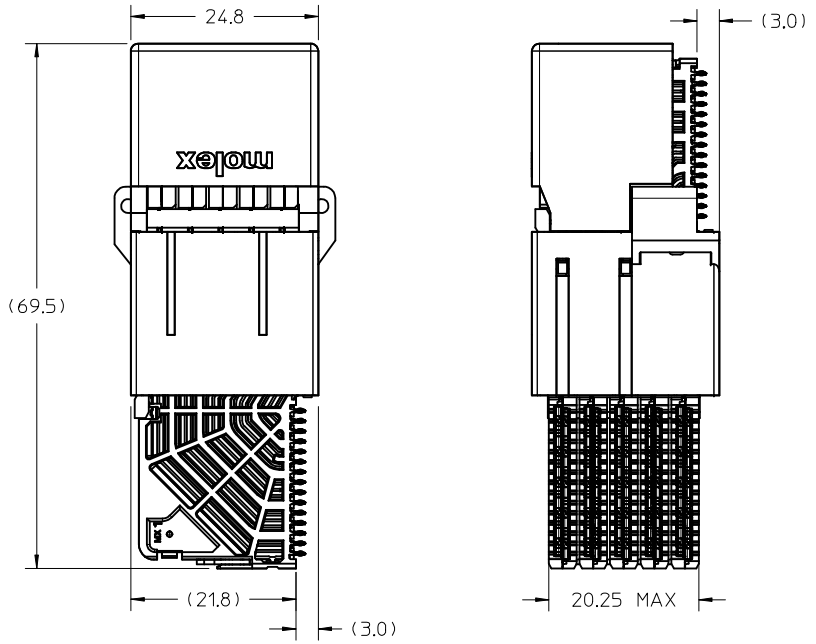




OD-RAM HOLE PATTERN (CONNECTOR SIDE)

P/N TABLE MOVE	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)
EC NO: UCP2014-4310 2014/04/11	▼=0	mm / INCH
DRWN:BJMILLER 2014/04/21	▽=0	4 PLACES ± --- / ± ---
CHKD:		3 PLACES ± --- / ± ---
APPR:TELO		2 PLACES ± 0.13 / ± ---
DESCRIPTION		1 PLACE ± 0.25 / ± ---
B1		ANGULAR ±1/2°
REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: 3:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: JMENDOZA DATE: 2012/11/30	TITLE: IMPACT ORTHOGONAL DIRECT 5 PAIR RAM 90 & 270 ASSY UNGUIDED SALES DRAWING		
CHECKED BY: TELO DATE: 2012/12/04			
APPROVED BY: TELO DATE: 2013/12/26	molex MOLEX INCORPORATED		
MATERIAL NO.: SEE CHART	DOCUMENT NO.: SD-171575-0001	SHEET NO.: 1 OF 4	
SIZE: C			



171575-11**

MODULE TYPE
1 = UNGUIDED, TIN

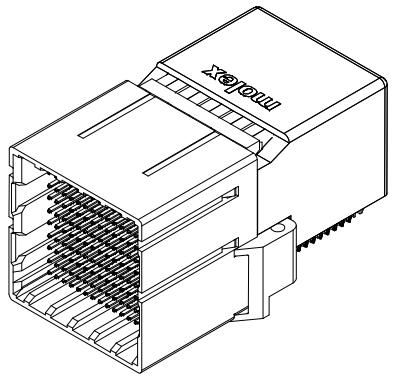
# OF COLUMNS
1 = 10 COLUMN

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
1 = 90 DEGREE
3 = 270 DEGREE

MATED DIMENSIONS

(POSITION 90° SHOWN)



OD-RAM WITH OUTRIGGERS

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-70873-8022.
6. SEE SHEET 3 AND 4 FOR ORTHOGONAL PIN MAPPING.
7. REFER TO MOLEX SALES DRAWING SD-76990-001 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 SCREWS P/N 73726-0000.
   (9.50mm ±0.38 THREADABLE SCREW LENGTH). THE MAXIMUM BOARD THICKNESS IS 4.4mm.
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."

SEE SHEET 1
EC NO: UCP2014-4310 2014/04/11
DRWN:BJMILLER 2014/04/21
CH'KD:
APPR:TELO
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: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: JMENDOZA DATE: 2012/11/30
CHECKED BY: TELO DATE: 2012/12/04
APPROVED BY: TELO DATE: 2013/12/26

TITLE: IMPACT ORTHOGONAL DIRECT 5 PAIR RAM 90 & 270 ASSY UNGUIDED SALES DRAWING

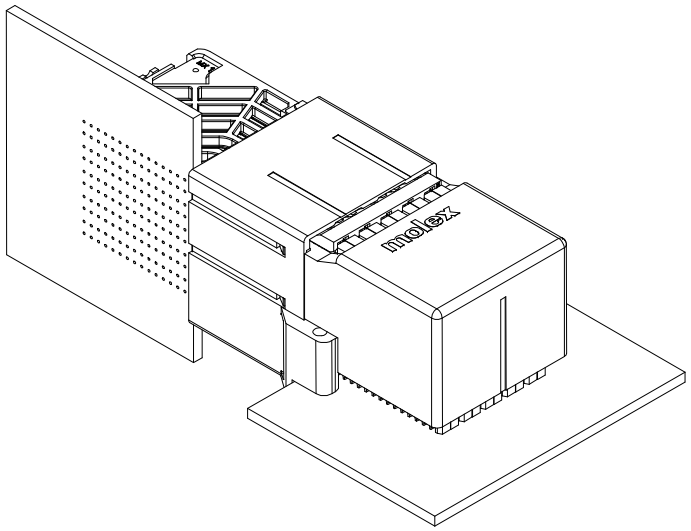
MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-171575-0001
SHEET NO.: 2 OF 4

SIZE: C

ORTHO POSITION 90°

OD-RAM PIN A1 MAPS
TO RAF PIN Q10



ORTHO PIN MAPPING

OPTION 90 (NEARSIDE - FARSIDE)

(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 ø
171575-1114	10	50	90	4.90	0.46±0.05
171575-1115	10	50	90	5.50	0.46±0.05
171575-1117	10	50	90	4.90	0.39±0.05
171575-1118	10	50	90	5.50	0.39±0.05

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

QUALITY SYMBOLS
F =0
E =0
P =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

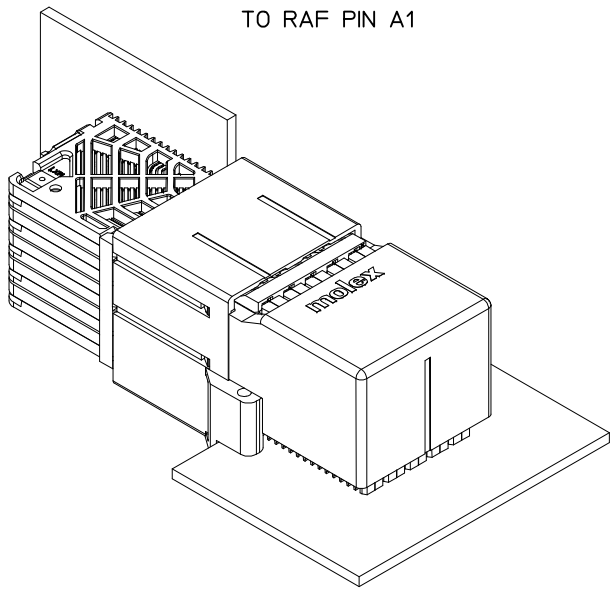
DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: JMENDOZA DATE: 2012/11/30
CHECKED BY: TELO DATE: 2012/12/04
APPROVED BY: TELO DATE: 2013/12/26
MATERIAL NO.: SEE CHART

TITLE: IMPACT ORTHOGONAL DIRECT 5 PAIR RAM 90 & 270 ASSY UNGUIDED SALES DRAWING
MOLEX INCORPORATED
DOCUMENT NO.: SD-171575-0001
SHEET NO.: 3 OF 4
SIZE: C

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	(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 ø
171575-1134	10	50	270	4.90	0.46±0.05
171575-1135	10	50	270	5.50	0.46±0.05
171575-1137	10	50	270	4.90	0.39±0.05
171575-1138	10	50	270	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
▽=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: 2012/11/30
CHECKED BY: TELO DATE: 2012/12/04
APPROVED BY: TELO DATE: 2013/12/26
MATERIAL NO.: SEE CHART

TITLE: IMPACT ORTHOGONAL DIRECT 5 PAIR RAM 90 & 270 ASSY UNGUIDED SALES DRAWING
MOLEX INCORPORATED
DOCUMENT NO.: SD-171575-0001
SHEET NO.: 4 OF 4
SIZE: C