

Excellent Integrated System Limited

Stocking Distributor

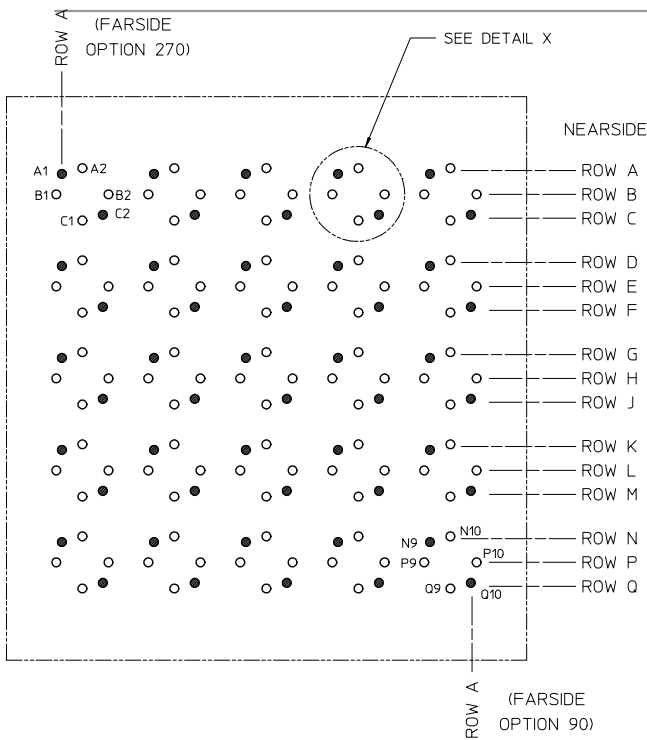
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[0769857805](#)

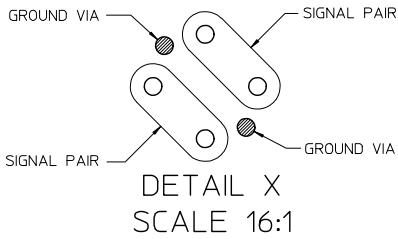
For any questions, you can email us directly:

sales@integrated-circuit.com





MIDPLANE PCB LAYOUT
SCALE 8:1



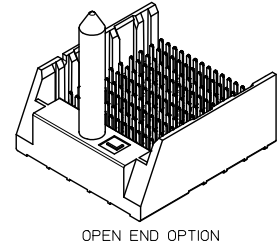
MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	MODULE TYPE	DIM A	DIM B	DIM C
171884-*80*	8	40	NO ENDWALL	22.9	14.05	14.45
171884-*80*	8	40	WITH ENDWALL	24.3	14.05	14.45
171884-*10*	10	50	NO ENDWALL	27.0	18.10	18.50
171884-*10*	10	50	WITH ENDWALL	28.4	18.10	18.50
171884-*20*	12	60	NO ENDWALL	31.0	22.15	22.55
171884-*20*	12	60	WITH ENDWALL	32.4	22.15	22.55

171884-*0*

MODULE & TAIL PLATING TYPE
3 = GUIDE LEFT NO ENDWALL, TIN
7 = GUIDE LEFT ENDWALL, TIN

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)

OF COLUMNS
8 = 8 COLUMN
1 = 10 COLUMN
2 = 12 COLUMN



SEE SHEET 1 EC NO: UCP2004-2768 DRAWING ZV1 01 A CHKD:TELO APPR:TELO	DESCRIPTION	2013/03/05	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
		2013/11/22				MM ONLY				
		2013/12/04								

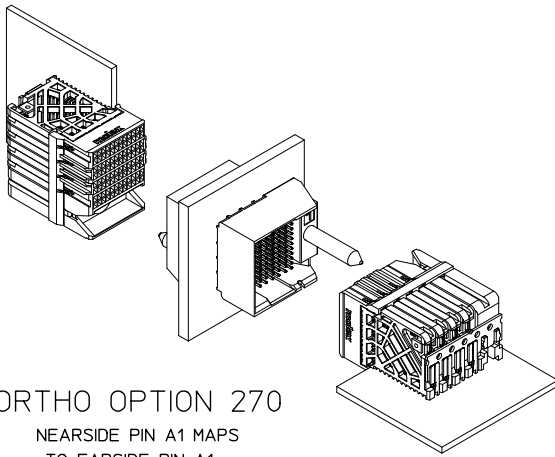
ORTHO PIN MAPPING

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.

PINOUTS SHOWN ARE FOR SQUARE (10 COLUMN) PATTERN ONLY.



ORTHO OPTION 270

NEAR SIDE PIN A1 MAPS
TO FAR SIDE PIN A1

SEE SHEET 1 EC NO: UCP2014-2268 DRAWN BY: ARIZV101 CHKD: TEL0 APPR: TEL0 REV: A	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE 8:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	IMPACT 5 PAIR HEADER ORTHOGONAL ASSEMBLY GUIDE LEFT SALES DRAWING molex SD-171884-0002	SHEET NO. 3 OF 4	
				MM ONLY							
		4 PLACES ± --- ± ---	DRAWN BY	DATE	TITLE						
		3 PLACES ± --- ± ---	CHECKED BY	DATE							
		2 PLACES ± 0.13 ± ---	APPROVED BY	DATE							
		1 PLACE ± 0.25 ± ---	TEL0	2013/12/04							
		0 PLACE ± ±	MATERIAL NO.	DOCUMENT NO.							
		ANGULAR ± 1/2°		SEE CHART			SD-171884-0002				
		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				

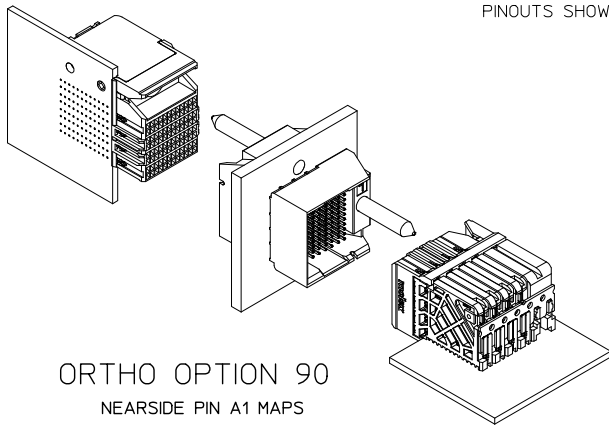
ORTHO PIN MAPPING

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.

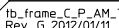
PINOUTS SHOWN ARE FOR SQUARE (10 COLUMN) PATTERN ONLY.

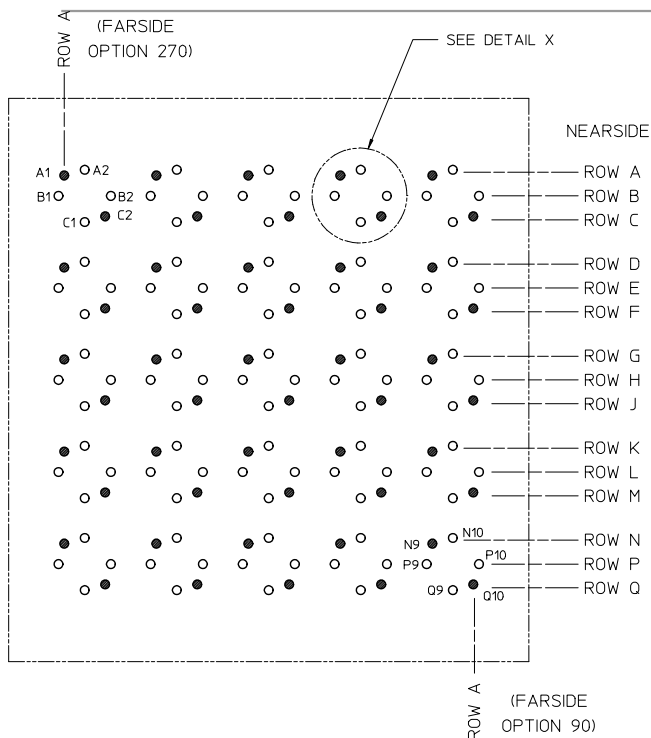


ORTHO OPTION 90

NEAR SIDE PIN A1 MAPS
TO FAR SIDE PIN Q10
(FOR SQUARE PATTERN)

SEE SHEET 1 EC NO: UGP2014-2268 A DRAWN BY: ZV101 CHKD: TEL APPR: TEL REV: A	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	IMPACT 5 PAIR HEADER ORTHOGONAL ASSEMBLY GUIDE LEFT SALES DRAWING molex DOCUMENT NO. SD-171884-0002 SHEET NO. 4 OF 4
						DRAWN BY ARIZV101	DATE 2013/03/05	TITLE			
						CHECKED BY JMENDOZA	DATE 2013/11/22				
						APPROVED BY TELO	DATE 2013/12/04				
						MATERIAL NO.		DOCUMENT NO.			
		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			





MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	MODULE TYPE	DIM A	DIM B	DIM C
76985-80*	8	40	NO ENDWALL	22.9	14.05	14.45
76985-80*	8	40	WITH ENDWALL	24.3	14.05	14.45
76985-10*	10	50	NO ENDWALL	27.0	18.10	18.50
76985-10*	10	50	WITH ENDWALL	28.4	18.10	18.50
76985-20*	12	60	NO ENDWALL	31.0	22.15	22.55
76985-20*	12	60	WITH ENDWALL	32.4	22.15	22.55

MODULE & TAIL PLATING TYPE

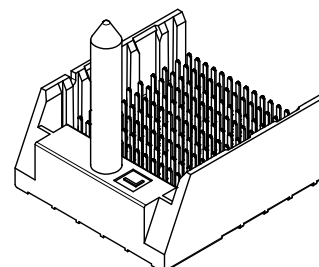
- 2 = GUIDE LEFT NO ENDWALL, TIN/LEAD
- 3 = GUIDE LEFT NO ENDWALL, TIN
- 6 = GUIDE LEFT ENDWALL, TIN/LEAD
- 7 = GUIDE LEFT ENDWALL, TIN

- # OF COLUMNS
- 8 = 8 COLUMN
 - 1 = 10 COLUMN
 - 2 = 12 COLUMN

76985-**0*

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)



OPEN END OPTION

SEE SHEET 1 EC NO: UCP2074-2698 DRAWN BY: VJ01 CHKD: CHKD APPR: TEL0 2015/03/24	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE IMPACT 5 PAIR HEADER ORTHOGONAL ASSEMBLY GUIDE LEFT SALES DRAWING molex DOCUMENT NO. SD-76985-002
▽	4 PLACES	±	---	---	DRAWN BY	DATE	TITLE			
▽	3 PLACES	±	---	---	JLAUR	4/28/09				
▽	2 PLACES	±	---	---	CHECKED BY	DATE				
▽	1 PLACE	±	0.13	---	JMENDOZA	2010/01/13				
▽	0 PLACE	±	0.25	---	APPROVED BY	DATE				
		±	---	---	JB INGHAM	2010/01/14				
			ANGULAR ±1/2°		MATERIAL NO.		SHEET NO.			
					SEE CHART		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			

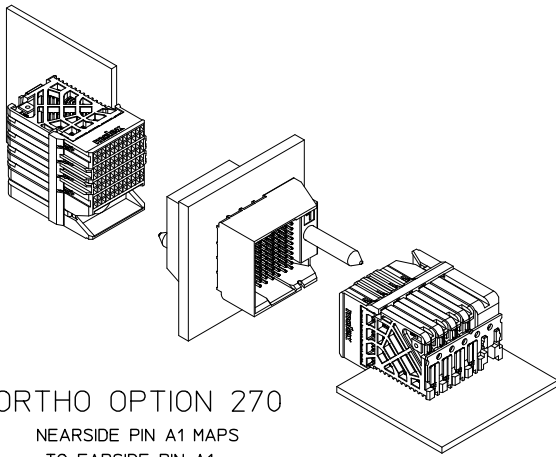
ORTHO PIN MAPPING

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.

PINOUTS SHOWN ARE FOR SQUARE (10 COLUMN) PATTERN ONLY.



ORTHO OPTION 270
NEARSIDE PIN A1 MAPS
TO FAR SIDE PIN A1

SEE SHEET 1 EC NO: UC/20474-2698 DRAWING 2/21/01 CHKD: APPR: TELU	2015/03/24	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 8:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	▽=0	4 PLACES ± ---	± ---	DRAWN BY JLAURH	DATE 4/28/09	TITLE IMPACT 5 PAIR HEADER ORTHOGONAL ASSEMBLY GUIDE LEFT SALES DRAWING molex DOCUMENT NO. SD-76985-002			
	▽=0	3 PLACES ± ---	± ---	CHECKED BY JMENDOZA	DATE 2010/01/13				
	▽=0	2 PLACES ± 0.13	± ---	APPROVED BY	DATE				
	▽=0	1 PLACE ± 0.25	± ---	JB INGHAM	2010/01/14				
	▽=0	0 PLACE ±	±	MATERIAL NO.					
	ANGULAR ± 1/2°		SEE CHART		SHEET NO. 3 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				

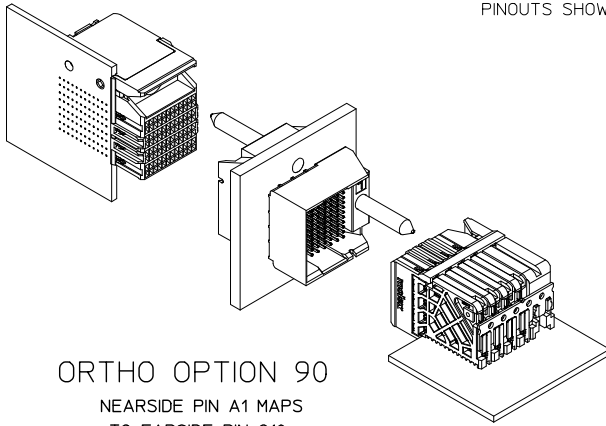
ORTHO PIN MAPPING

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.

PINOUTS SHOWN ARE FOR SQUARE (10 COLUMN) PATTERN ONLY.



ORTHO OPTION 90
NEAR SIDE PIN A1 MAPS
TO FAR SIDE PIN Q10
(FOR SQUARE PATTERN)

SEE SHEET 1 EC NO: UGP2014-2698 DRAWN BY: JLAURX CHKD: JMENDOZA APPR: TEL REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				DRAWN BY JLAURX		DATE 4/28/09	IMPACT 5 PAIR HEADER ORTHOGONAL ASSEMBLY GUIDE LEFT SALES DRAWING molex SD-76985-002		
				CHECKED BY JMENDOZA		DATE 2010/01/13			
				APPROVED BY JB INGHAM		DATE 2010/01/14			
				MATERIAL NO.		DOCUMENT NO.			
				SEE CHART		4 OF 4			
				SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			