

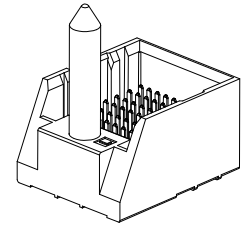
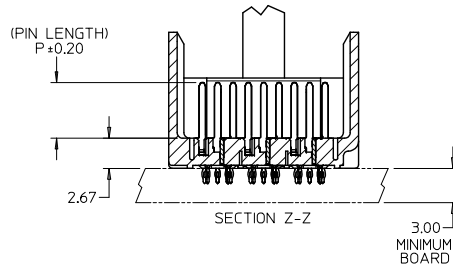
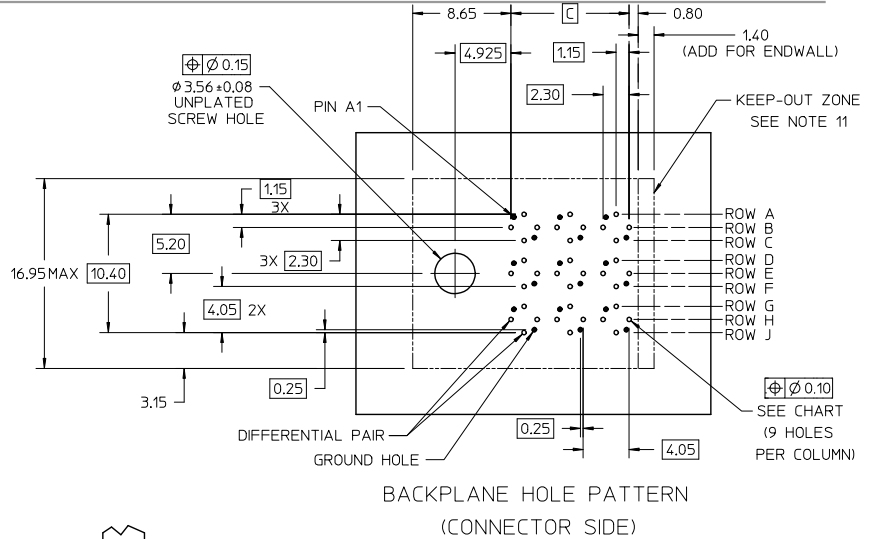
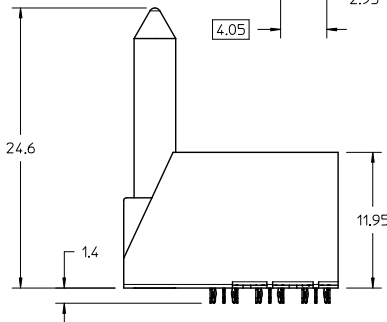
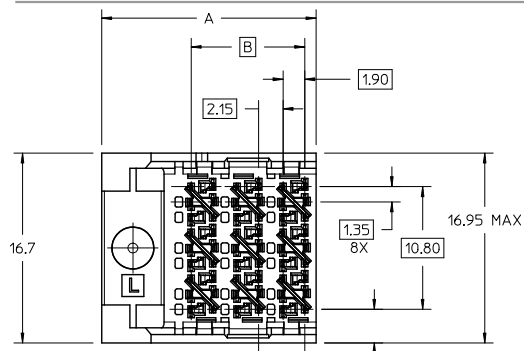
Excellent Integrated System Limited

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[Molex Connector Corporation](#)
[0768557608](#)

For any questions, you can email us directly:
sales@integrated-circuit.com



(ENDWALL VERSION SHOWN)

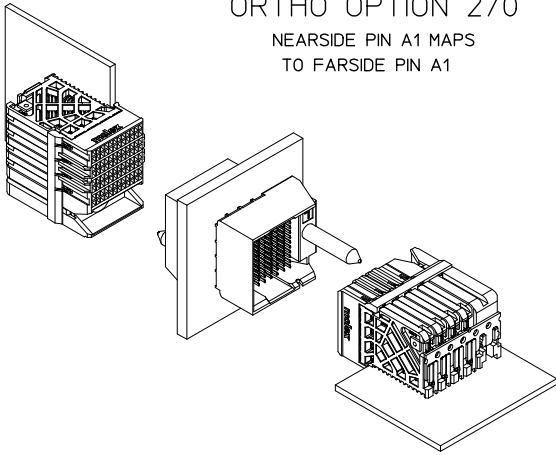
NOTES:

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 OR TIN-LEAD 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. PRODUCT IS PACKAGED PER PK-70873-763.
6. SEE SHEETS 2 AND 3 FOR PART NUMBERS AND ORTHOGONAL PIN MAPPING.
7. REFER TO MOLEX SALES DRAWING SD-76860-002 FOR THE MATING RECEPTACLES.
8. THE KEEP-OUT ZONE FOR THE PART LENGTH INCLUDES AN ADDITIONAL 1.0mm TO ACCOMMODATE FOR SPACE REQUIRED BY THE DAUGHTERCARD ASSEMBLY.
9. REFER TO MOLEX ROUTING GUIDE AS-76850-990 FOR ADDITIONAL PCB LAYOUT AND ROUTING RECOMMENDATIONS.
10. CONNECTORS ARE SUPPLIED WITH A 2-56 UNC-2A SCREW.
11. THESE DIMENSIONS REPRESENT THE AREA NEEDED TO ACCOMMODATE CONNECTOR INSERTION AND REPAIR ON THE PC BOARD. THIS DOES NOT REPRESENT THE ACTUAL PERIMETER OF THE CONNECTOR.

UPDATED VIEWS EC NO: UCP2014-2698 DRAWN BY: JLAURX CHKD: JLAURX APPR: TELD DATE: 2013/04/01 DATE: 2015/03/24	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± ±	mm INCH ± --- ± --- ± --- ± --- ± --- ± --- ± --- ± ---	DRAWN BY JLAURX	DATE 5/6/09	CHECKED BY JMENDOZA	DATE 2010/01/13	TITLE IMPACT 3 PAIR HEADER ORTHOGONAL ASSEMBLY GUIDE LEFT SALES DWG	
ANGLAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		MATERIAL NO. DATE 2010/01/14		DOCUMENT NO. SD-76855-002		SHEET NO. 1 OF 3	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

ORTHO OPTION 270

NEAR SIDE PIN A1 MAPS
TO FAR SIDE PIN A1



MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	MODULE TYPE	DIM A	DIM B	DIM C
76855-*60*	6	18	NO ENDWALL	18,9	10,00	10,40
76855-*60*	6	18	WITH ENDWALL	20,3	10,00	10,40
76855-*80*	8	24	NO ENDWALL	22,9	14,05	14,45
76855-*80*	8	24	WITH ENDWALL	24,3	14,05	14,45

76855-*x0*

MODULE & TAIL PLATING TYPE

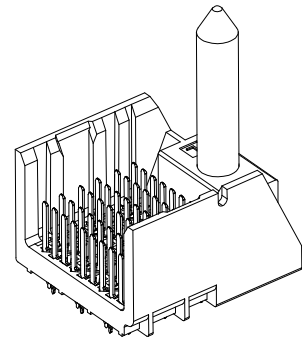
- 2 = GUIDE LEFT NO ENDWALL, TIN/LEAD
- 3 = GUIDE LEFT NO ENDWALL, TIN
- 6 = GUIDE LEFT ENDWALL, TIN/LEAD
- 7 = GUIDE LEFT ENDWALL, TIN

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

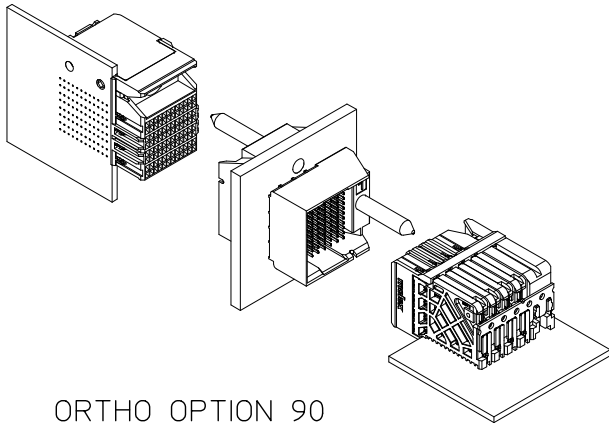
- 6 = 6 COLUMNS
- 8 = 8 COLUMNS



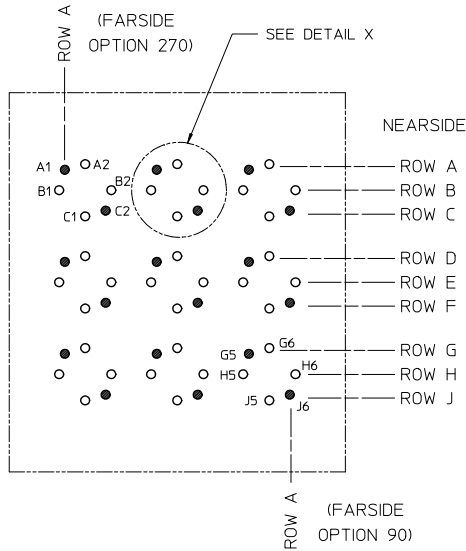
OPEN END OPTION

ORTHO OPTION 90

NEAR SIDE PIN A1 MAPS
TO FAR SIDE PIN J6
(FOR SQUARE PATTERN)



SEE SHEET 1 EC NO: UCP2014-2698 DRAWN BY: JLAURX CHECKED BY: JMENDOZA APPROVED BY: JB INGHAM DATE: 2013/04/01 DATE: 2010/01/13 DATE: 2010/01/14	DESCRIPTION 2015/03/24	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
			mm	INCH	MM ONLY	4:1	METRIC		
		4 PLACES	±	---	---	DRAWN BY	DATE	TITLE	IMPACT 3 PAIR HEADER ORTHOGONAL ASSEMBLY GUIDE LEFT SALES DWG molex SD-76855-002 SHEET NO. 2 OF 3
		3 PLACES	±	---	---	CHECKED BY	DATE		
2 PLACES	±	0.13	---	APPROVED BY	DATE				
1 PLACE	±	0.25	---	MATERIAL NO.	DOCUMENT NO.				
0 PLACE	±								
			ANGULAR ±1/2°						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART					
				SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

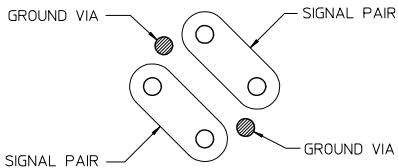


MIDPLANE PCB LAYOUT

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)

ORTHO PIN MAPPING					
OPTION 90 (NEARSIDE - FARSIDE)					
(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.
PINOUTS SHOWN ARE FOR SQUARE (6 COLUMN) PATTERN ONLY.



DETAIL X
SCALE 16:1

SEE SHEET 1 EC NO: UCP2014-2698 DRAWN BY: JLAURX CHKD: JMENDOZA APPR: JELI DATE: 2015/03/24	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla = 0$ $\nabla = 0$ $\nabla = 0$	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± ±	MM ONLY	8:1	METRIC	IMPACT 3 PAIR HEADER ORTHOGONAL ASSEMBLY GUIDE LEFT SALES DWG
	ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY: JLAURX DATE: 5/6/09 CHECKED BY: JMENDOZA DATE: 2010/01/13 APPROVED BY: JBRINGHAM DATE: 2010/01/14	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-76855-002	SHEET NO. 3 OF 3	
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					