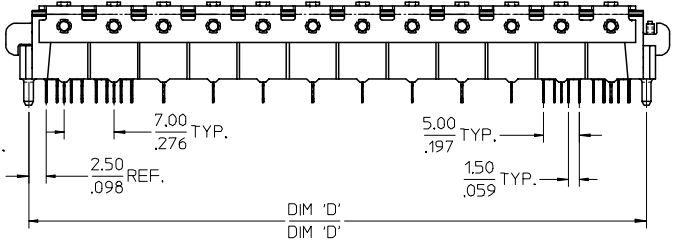
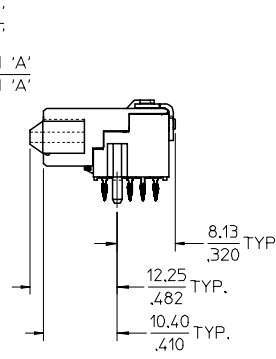
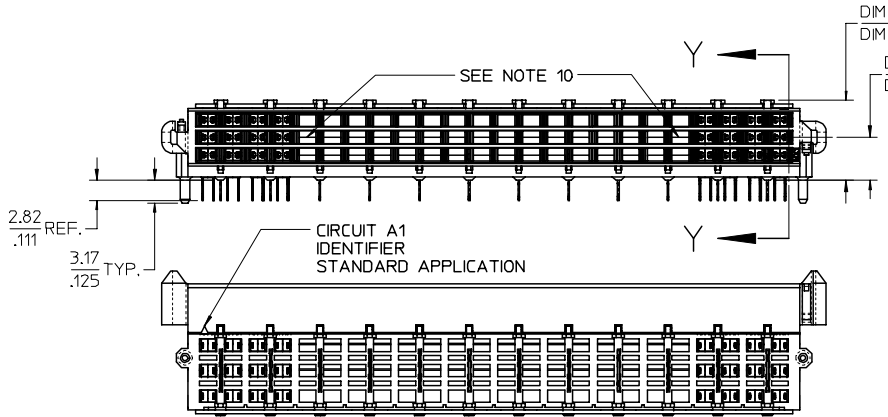
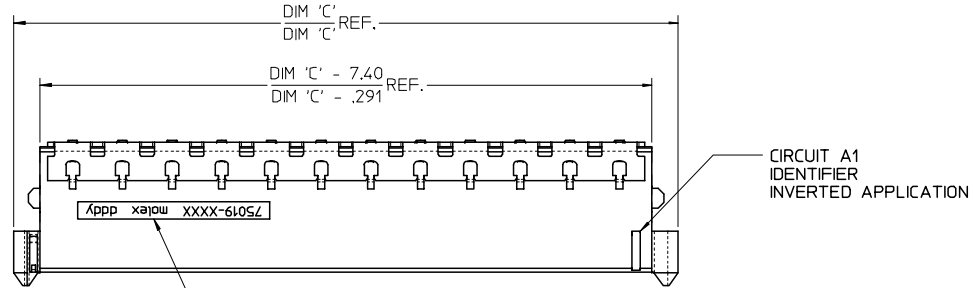


- NOTES:
- MATERIALS:**  
HOUSING - LIQUID CRYSTAL POLYMER, UL94 V-0  
WAFER DIELECTRIC - LIQUID CRYSTAL POLYMER, UL94 V-0  
CONTACT - COPPER ALLOY
  - FINISHES**  
CONTACT INTERFACE  
0.76 MICRON MIN. SELECT GOLD OVER  
1.27 MICRON MIN. NICKEL OVERALL  
COMPLIANT INTERFACE  
0.76 MICRON MIN. SELECT TIN OVER  
1.27 MICRON MIN. NICKEL OVERALL  
HOUSING  
0.10 MICRON MAX. IMMERSION GOLD OVER  
3.81 MICRON MIN. NICKEL OVER  
3.81 MICRON MIN. COPPER OVERALL
  - PRODUCT SPECIFICATION**  
THIS PART CONFORMS TO MOLEX SPECIFICATION PS-75018-001.
  - PACKAGING SPECIFICATION**  
THIS PART TO BE PACKAGED PER SPECIFICATION PK-75020-010.
  - APPLICATION SPECIFICATION**  
THIS PART TO BE APPLIED PER SPECIFICATION AS-75018-001.  
APPLICATION TOOL AND INSTRUCTIONS PER AS-75018-001.
  - MATING INFORMATION**  
THIS PART MATES WITH 75018-XXXX & 75140-XXXX.  
WILL MATE WITH MAXIMUM OF 1.27mm MIS-ALIGNMENT  
WILL MATE WITH MAXIMUM 0.5° MIS-ALIGNMENT
  - ORIENTATION**  
THIS PART CAN BE USED IN A STANDARD OR INVERTED ORIENTATION (I.E. ROTATED 180°)
  - SEE SHEET 3 FOR PCB LAYOUT INFORMATION
  - SEE SHEET 4 FOR CIRCUIT DESIGNATION
  - CIRCUITS IN THIS ZONE HAVE BEEN OMITTED TO SIMPLIFY THE MODEL. ACTUAL PRODUCT IS FULLY LOADED WITH TERMINALS
  - APPLICATION TOOLING KEEP OUT AREA.  
NO COMPONENTS ALLOWED IN THIS AREA.
  - CONFORMS TO MOLEX COSMETIC SPECIFICATION PS-75005-001.
  - MARKING: PART NUMBER, MOLEX LOGO, DATE CODE
  - RECOMMENDED DRILL SIZE 0.66±0.03 TO YIELD FINISHED PLATED THROUGH HOLE 0.55±0.05



EC NO: UCP2004-1631 DRAWN: KLANG 2004/04/27 CHKD: 2004/04/28 APPR: MBANAKIS2004/04/29	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY															
	▼ -0 ◻ -0	<table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>±.005</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.13</td> <td>±.01</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.25</td> <td>± ---</td> </tr> </tbody> </table> ANGULAR ±1/2°		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	±.005	2 PLACES	± 0.13	±.01	1 PLACE	± 0.25	± ---	DIMENSION STYLE MM/IN DRAWN BY DATE LANG 02-NOV-25 CHECKED BY DATE LANG 02-NOV-26	TITLE	HIGH SPEED DOCKING FLOATING CONNECTOR	
		mm	INCH																		
	4 PLACES	± ---	± ---																		
3 PLACES	± ---	±.005																			
2 PLACES	± 0.13	±.01																			
1 PLACE	± 0.25	± ---																			
DRAFT WHERE APPLICABLE	MUST REMAIN WITHIN DIMENSIONS	APPROVED BY DATE BANAKIS 02-NOV-26	MATERIAL NO. SEE SHEET 2	DOCUMENT NO. SD-75019-010	SHEET NO. 1 OF 4																
A1	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			

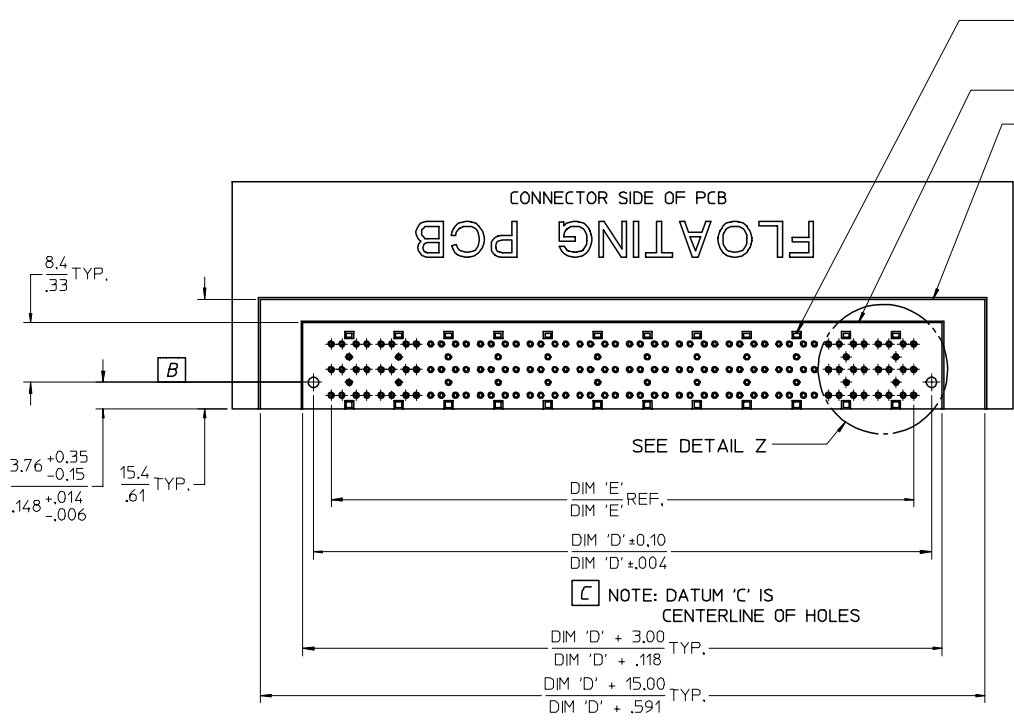
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ITEM NUMBER	CIRCUIT SIZE	NO. OF COLUMNS 'N'	CENTERLINE DIMENSION 'A' mm(in)	O/A HEIGHT DIMENSION 'B' mm(in)	O/A LENGTH DIMENSION 'C' mm(in)	PEG TO PEG DIMENSION 'D' mm(in)	FIRST-LAST DIMENSION 'E' mm(in)
75019-0015	144	48	4.74 (.187)	9.98 (.393)	93.50 (3.681)	87.00 (3.425)	82.00 (3.228)
75019-0016	144	48	6.09 (.240)	11.33 (.446)	93.50 (3.681)	87.00 (3.425)	82.00 (3.228)
NOT TOOLED	132	44	4.74 (.187)	9.98 (.393)	86.50 (3.406)	80.00 (3.150)	75.00 (2.953)
<del>75019-0014</del>	<del>120</del>	<del>40</del>	<del>4.74 (.187)</del>	<del>9.98 (.393)</del>	<del>79.50 (3.130)</del>	<del>73.00 (2.874)</del>	<del>68.00 (2.677)</del>
75019-0013	108	36	4.74 (.187)	9.98 (.393)	72.50 (2.854)	66.00 (2.598)	61.00 (2.402)
NOT TOOLED	96	32	4.74 (.187)	9.98 (.393)	65.50 (2.579)	59.00 (2.323)	54.00 (2.126)
NOT TOOLED	84	28	4.74 (.187)	9.98 (.393)	58.50 (2.303)	52.00 (2.047)	47.00 (1.850)
NOT TOOLED	72	24	4.74 (.187)	9.98 (.393)	51.50 (2.028)	45.00 (1.772)	40.00 (1.575)
NOT TOOLED	60	20	4.74 (.187)	9.98 (.393)	44.50 (1.752)	38.00 (1.496)	33.00 (1.299)
NOT TOOLED	48	16	4.74 (.187)	9.98 (.393)	37.50 (1.476)	31.00 (1.220)	26.00 (1.024)
NOT TOOLED	36	12	4.74 (.187)	9.98 (.393)	30.50 (1.201)	24.00 (.945)	19.00 (.748)
75019-0017	108	36	6.09 (.240)	11.33 (.446)	72.50 (2.854)	66.00 (2.598)	61.00 (2.402)
75019-0018	120	40	4.74 (.187)	9.98 (.393)	79.50 (3.130)	73.00 (2.874)	68.00 (2.677)

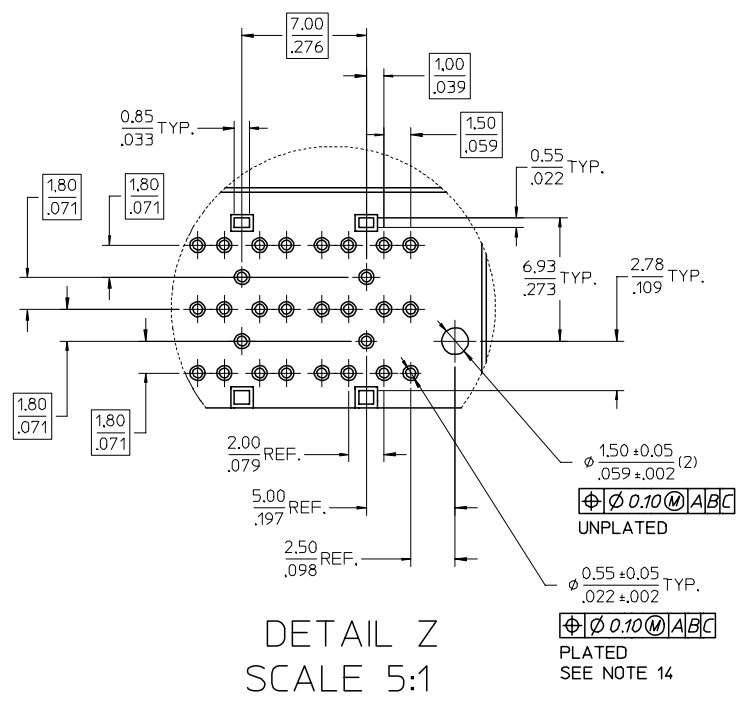
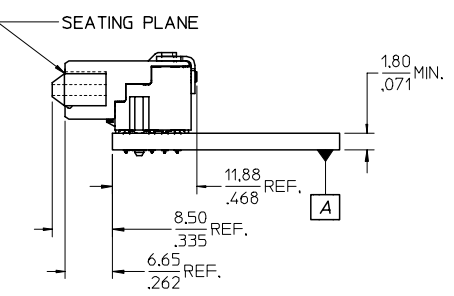
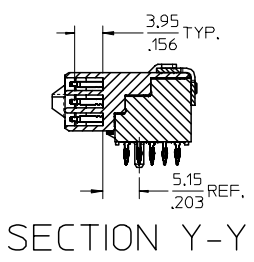
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EC NO: UCP2004-1631 DRWN: KLANG 2004/04/27 CHKD: 2004/04/28 APPR: MBANAKIS/2004/04/29	QUALITY SYMBOLS ▽ - 0 ◻ - 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY	
		DIMENSION STYLE MM/IN	TITLE HIGH SPEED DOCKING FLOATING CONNECTOR		MOLEX INCORPORATED			
		4 PLACES ± --- ± --- 3 PLACES ± --- ± .005 2 PLACES ± 0.13 ± .01 1 PLACE ± 0.25 ± ---	ANGULAR ±1/2°		DRAWN BY LANG DATE 02-NOV-25 CHECKED BY LANG DATE 02-NOV-26	MATERIAL NO. SEE CHART DOCUMENT NO. SD-75019-010 SHEET NO. 2 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				

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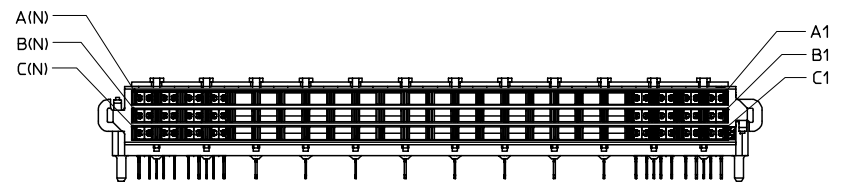
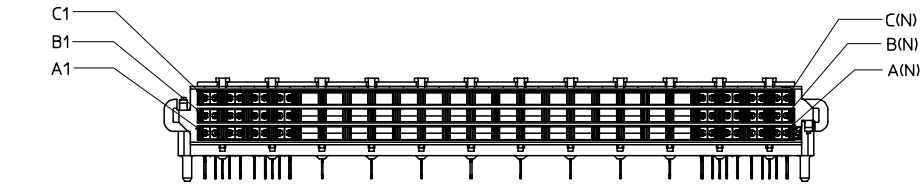
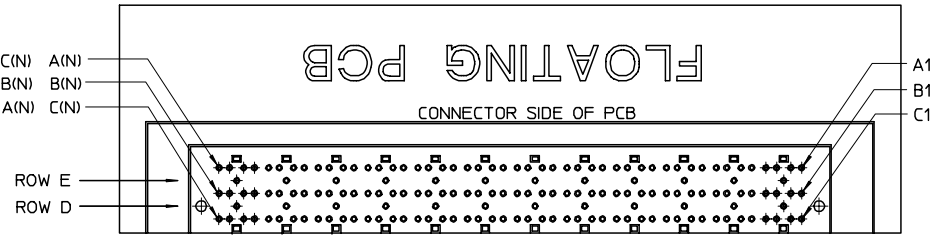
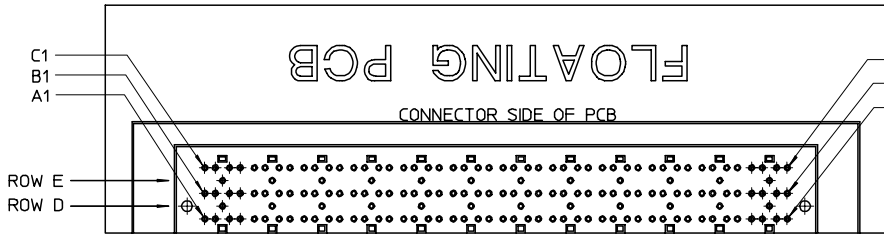
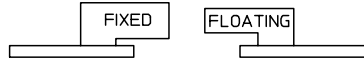
NO EXPOSED TRACES ON SURFACE OF PCB IN CONNECTOR STAND OFF LOCATIONS  
CONNECTOR KEEP OUT AREA  
APPLICATION TOOLING KEEP OUT AREA (NOTES 5 & 11)



EC NO: UCP2004-1631 DRWN: KLANG 2004/04/27 CHKD: 2004/04/28 APPR: MBANAKIS2004/04/29	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY
	▼ - 0 ◻ - 0	4 PLACES ± --- ± --- 3 PLACES ± --- ± .005 2 PLACES ± 0.13 ± .01 1 PLACE ± 0.25 ± --- ANGULAR ± 1/2°	mm INCH	DIMENSION STYLE MM/IN	DRAWN BY DATE LANG 02-NOV-25 CHECKED BY DATE LANG 02-NOV-26	TITLE HIGH SPEED DOCKING FLOATING CONNECTOR	
A1	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	APPROVED BY DATE BANAKIS 02-NOV-26		MATERIAL NO. DOCUMENT NO. SEE SHEET 2 SD-75019-010		SHEET NO. 3 OF 4	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

STANDARD APPLICATION  
CIRCUIT DESIGNATIONS

INVERTED APPLICATION  
CIRCUIT DESIGNATIONS



CIRCUIT DESIGNATION

FIRST MATE: HOUSING - SIGNAL GROUND  
 SECOND MATE: A1, C1, A(N), C(N) (FOR POWER RETURN)  
 THIRD MATE: A2, B2, C2, A(N-1), B(N-1), C(N-1) & ALL OTHERS  
 (A2, C2, A(N-1) & C(N-1) FOR POWER)  
 (ALL OTHERS FOR SIGNAL)  
 LAST MATE: B1, B(N) (FOR CARD DETECT)

ALL COLUMNS FROM 3 THROUGH (N-2) ARE SUITABLE FOR  
 DIFFERENTIAL PAIRS  
 EG: A3-A4, B3-B4, C3-C4, A(N-2)-A(N-3), B(N-2)-B(N-3)

SIGNAL GROUND: ROWS D & E

EC NO: UCP2004-1631 DRWN: KLANG 2004/04/27 CHKD: 2004/04/28 APPR: MBANAKIS/2004/04/29	QUALITY SYMBOLS ▽ - 0 ◻ - 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY	
				DIMENSION STYLE MM/IN		TITLE		
		4 PLACES ± --- ± ---	3 PLACES ± --- ± .005	DRAWN BY LANG	DATE 02-NOV-25	HIGH SPEED DOCKING FLOATING CONNECTOR		
		2 PLACES ± 0.13 ± .01	1 PLACE ± 0.25 ± ---	CHECKED BY LANG	DATE 02-NOV-26	MOLEX INCORPORATED		
		ANGULAR ±1/2°		APPROVED BY BANAKIS	DATE 02-NOV-26	MATERIAL NO. SEE SHEET 2	DOCUMENT NO. SD-75019-010	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SHEET NO. 4 OF 4				
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								