

NOTES:

1) MATERIALS:

HOUSING - LIQUID CRYSTAL POLYMER, UL94 V-0
 WAFER DIELECTRIC - LIQUID CRYSTAL POLYMER, UL94 V-0
 CONTACT - COPPER ALLOY

2) FINISHES

SEE SHEET 2

3) PRODUCT SPECIFICATION

THIS PART CONFORMS TO MOLEX SPECIFICATION PS-75018-001.

4) PACKAGING SPECIFICATION

THIS PART TO BE PACKAGED PER SPECIFICATION PK-75020-030.

5) APPLICATION SPECIFICATION

THIS PART TO BE APPLIED PER SPECIFICATION AS-75018-001.
 APPLICATION TOOL AND INSTRUCTIONS PER AS-75018-001.

6) 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

7) ORIENTATION

THIS PART CAN BE USED IN A STANDARD OR INVERTED ORIENTATION (I.E. ROTATED 180°)

8) SEE SHEET 3 FOR PCB LAYOUT INFORMATION

9) SEE SHEET 4 FOR CIRCUIT DESIGNATION

10) CIRCUITS IN THIS ZONE HAVE BEEN OMITTED TO SIMPLIFY THE MODEL. ACTUAL PRODUCT IS FULLY LOADED WITH TERMINALS

11) APPLICATION TOOLING KEEP OUT AREA. NO COMPONENTS ALLOWED IN THIS AREA.

12) CONFORMS TO MOLEX COSMETIC SPECIFICATION PS-45499-002 & PS-45499-003, CLASS C.

13) MARKING: PART NUMBER, MOLEX LOGO, DATE CODE

14) RECOMMENDED DRILL SIZE 0.66±0.03 TO YIELD FINISHED PLATED THROUGH HOLE 0.55±0.05

CONVERT TO LEAD-FREE EC NO: UCP2013-1884 2012/11/09 IDRWN:TIBARRA CHKD: APPR:SMILLER 2013/01/04	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		4 PLACES ± --- ± ---	mm	INCH	DRAWN BY	DATE	TITLE PLATEAU HS DOCK FLOATING CONNECTOR molex DOCUMENT NO. SD-75019-010 SHEET NO. 1 OF 4			
		3 PLACES ± --- ± .005			CHECKED BY	DATE				
		2 PLACES ± 0.13 ± .01			LANG	02-NOV-26				
1 PLACE ± 0.25 ± ---			APPROVED BY	DATE						
0 PLACE ± ±			BANAK I S	02-NOV-26	MATERIAL NO. SEE TABLE		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		ANGULAR ±1/2°		SIZE C						

LEAD-FREE ASSEMBLIES - PLATING FINISH 1 - OBSOLETE

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	24	4.74 (.187)	9.98 (.393)	93.50 (3.681)	87.00 (3.425)	82.00 (3.228)
75019-0016	144	24	6.09 (.240)	11.33 (.446)	93.50 (3.681)	87.00 (3.425)	82.00 (3.228)
75019-0014	120	20	4.74 (.187)	9.98 (.393)	79.50 (3.130)	73.00 (2.874)	68.00 (2.677)
75019-0013	108	18	4.74 (.187)	9.98 (.393)	72.50 (2.854)	66.00 (2.598)	61.00 (2.402)
75019-0017	108	18	6.09 (.240)	11.33 (.446)	72.50 (2.854)	66.00 (2.598)	61.00 (2.402)

LEAD-FREE ASSEMBLIES

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)	PLATING FINISH
75019-7013	108	18	4.74 (.187)	9.98 (.393)	72.50 (2.854)	66.00 (2.598)	61.00 (2.402)	FINISH 2
75019-7213	108	18	4.74 (.187)	9.98 (.393)	72.50 (2.854)	66.00 (2.598)	61.00 (2.402)	FINISH 2
75019-7214	120	20	4.74 (.187)	9.98 (.393)	79.50 (3.130)	73.00 (2.874)	68.00 (2.677)	FINISH 2
75019-7215	144	24	4.74 (.187)	9.98 (.393)	93.50 (3.681)	87.00 (3.425)	82.00 (3.228)	FINISH 2
75019-7216	144	24	6.09 (.240)	11.33 (.446)	93.50 (3.681)	87.00 (3.425)	82.00 (3.228)	FINISH 2
75019-7217	108	18	6.09 (.240)	11.33 (.446)	72.50 (2.854)	66.00 (2.598)	61.00 (2.402)	FINISH 2
75019-7313	108	18	4.74 (.187)	9.98 (.393)	72.50 (2.854)	66.00 (2.598)	61.00 (2.402)	FINISH 3
75019-7314	120	20	4.74 (.187)	9.98 (.393)	79.50 (3.130)	73.00 (2.874)	68.00 (2.677)	FINISH 3
75019-7315	144	24	4.74 (.187)	9.98 (.393)	93.50 (3.681)	87.00 (3.425)	82.00 (3.228)	FINISH 3
75019-7316	144	24	6.09 (.240)	11.33 (.446)	93.50 (3.681)	87.00 (3.425)	82.00 (3.228)	FINISH 3
75019-7317	108	18	6.09 (.240)	11.33 (.446)	72.50 (2.854)	66.00 (2.598)	61.00 (2.402)	FINISH 3

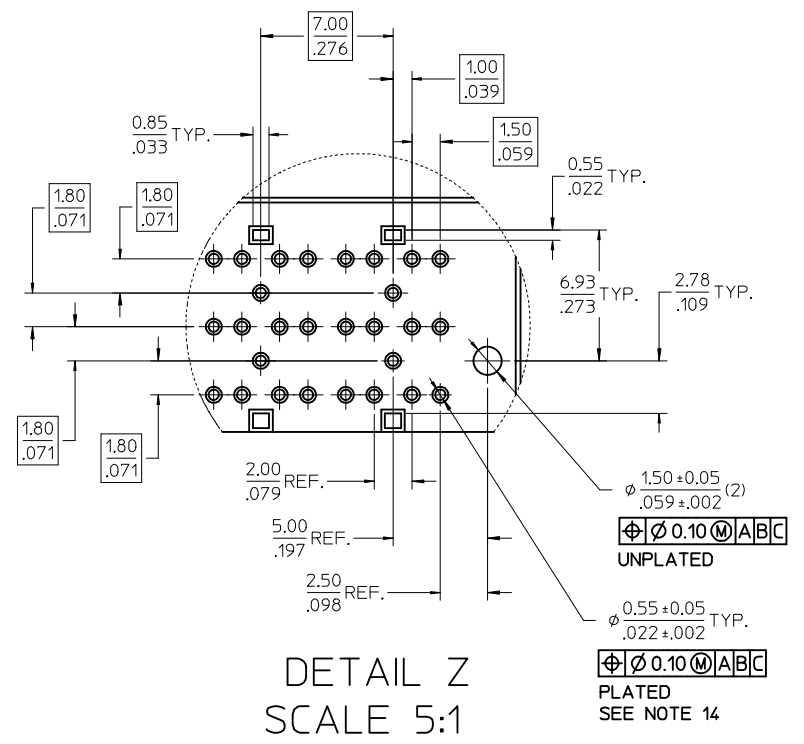
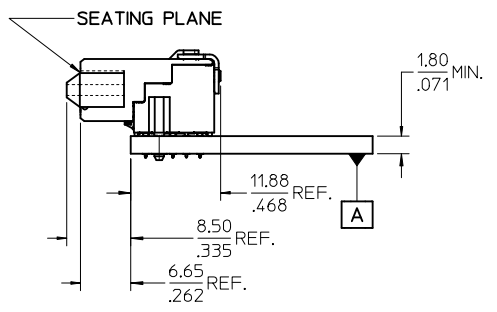
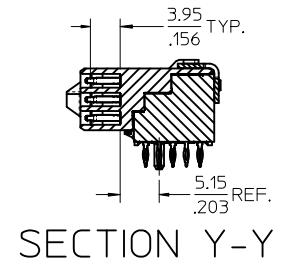
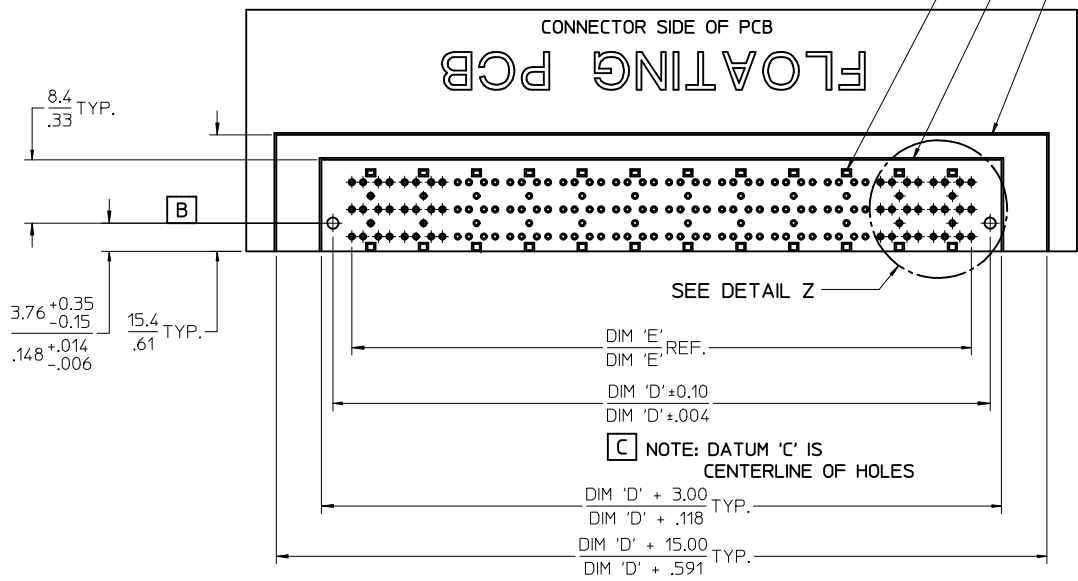
1) FINISHES
 FINISH 1 (PREVIOUSLY TIN-LEAD)
 CONTACT INTERFACE
 0.76 MICROMETER MINIMUM SELECT GOLD OVER
 1.27 MICROMETER MINIMUM NICKEL OVERALL
 COMPLIANT INTERFACE
 0.76 MICROMETER MINIMUM SELECT MATTE TIN OVER
 1.27 MICROMETER MINIMUM NICKEL OVERALL
 HOUSING
 0.10 MICROMETER MAXIMUM IMMERSION GOLD OVER
 3.81 MICROMETER MINIMUM NICKEL OVER
 3.81 MICROMETER MINIMUM COPPER OVERALL

FINISH 2
 CONTACT INTERFACE
 0.76 MICROMETER MINIMUM SELECT GOLD OVER
 1.27 MICROMETER MINIMUM NICKEL OVERALL
 COMPLIANT INTERFACE
 0.76 MICROMETER MINIMUM SELECT MATTE TIN OVER
 1.27 MICROMETER MINIMUM NICKEL OVERALL
 HOUSING
 0.10 MICROMETER MAXIMUM IMMERSION GOLD OVER
 3.81 MICROMETER MINIMUM NICKEL OVER
 3.81 MICROMETER MINIMUM COPPER OVERALL

FINISH 3
 CONTACT INTERFACE
 0.76 MICROMETER MINIMUM SELECT GOLD OVER
 1.27 MICROMETER MINIMUM NICKEL OVERALL
 COMPLIANT INTERFACE
 0.76 MICROMETER MINIMUM SELECT MATTE TIN OVER
 1.27 MICROMETER MINIMUM NICKEL OVERALL
 HOUSING
 3.81 MICROMETER MINIMUM NICKEL OVER
 3.81 MICROMETER MINIMUM COPPER OVERALL

SEE SHEET 1 EC NO: UCP2013-1884 DRAWN: TIBARRA 2012/11/09 CHKD: APPR: MILLER 2013/01/04	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	MM/IN	1:1	METRIC	
	▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE	PLATEAU HS DOCK FLOATING CONNECTOR molex		
	▽=0	3 PLACES ± --- ± .005	LANG 02-NOV-25			
	2 PLACES ± 0.13 ± .01	CHECKED BY DATE	DOCUMENT NO. SD-75019-010 SHEET NO. 2 OF 4			
	1 PLACE ± 0.25 ± ---	LANG 02-NOV-26	APPROVED BY DATE BANAKI S 02-NOV-26			
	0 PLACE ± ±	APPROVED BY DATE	MATERIAL NO. SEE TABLE			
		ANGULAR ±1/2°	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			

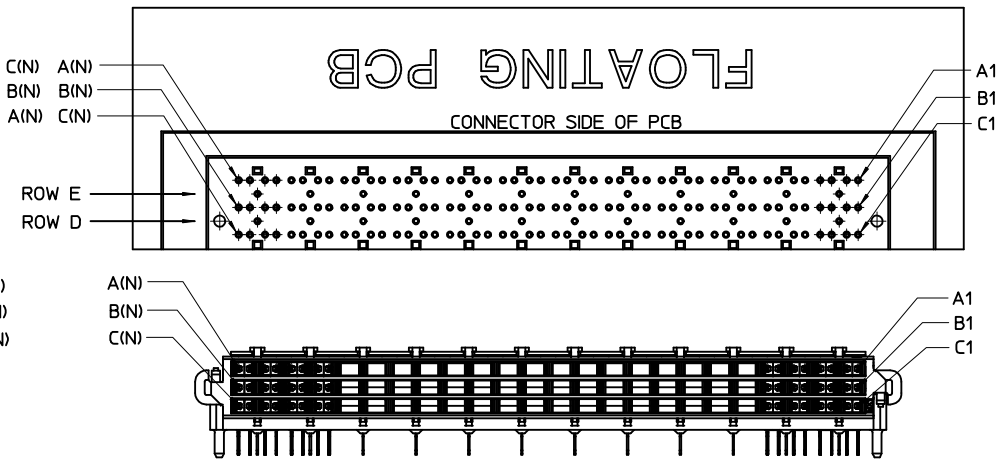
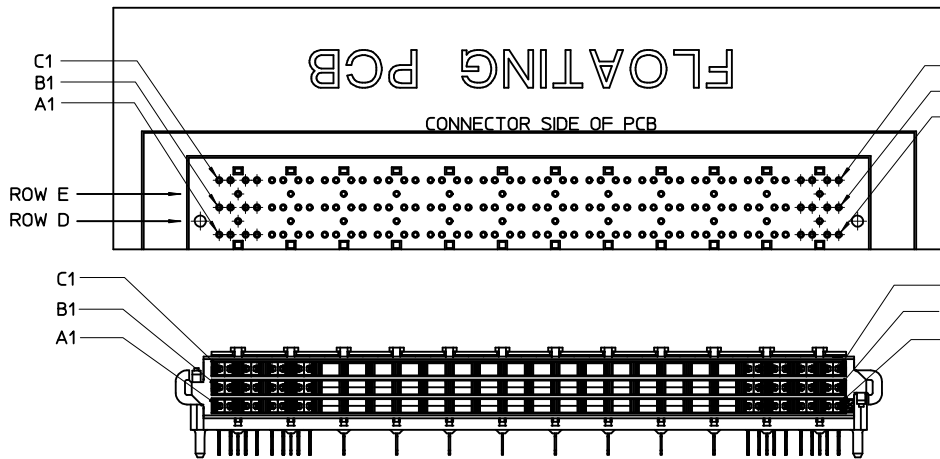
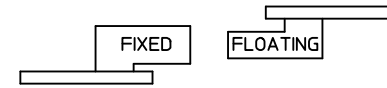
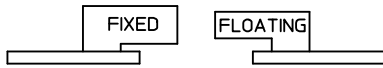
NO EXPOSED TRACES ON SURFACE OF PCB IN CONNECTOR STAND OFF LOCATIONS
 CONNECTOR KEEP OUT AREA
 APPLICATION TOOLING KEEP OUT AREA (NOTES 5 & 11)



SEE SHEET 1 EC NO: UCP2013-1884 DRWN: TIBARRA 2012/11/09 CHKD: APPR: MILLER 2013/01/04	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	MM/IN	2:1	METRIC	
	▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE	PLATEAU HS DOCK FLOATING CONNECTOR	
	▽=0	3 PLACES ± --- ±.005	LANG 02-NOV-25			
	2 PLACES ± 0.13 ± .01	CHECKED BY DATE		molex DOCUMENT NO. SD-75019-010 SHEET NO. 3 OF 4		
	1 PLACE ± 0.25 ± ---	LANG 02-NOV-26				
	0 PLACE ± ±	APPROVED BY DATE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
		BANAKI S 02-NOV-26				
		ANGULAR ±1/2°	MATERIAL NO.			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE			

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

SEE SHEET 1 EC NO: UCP2013-1884 DRWNT: IBARRA 2012/11/09 CHKD: APPR: MILLER 2013/01/04 G	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± ---	LANG	DATE	TITLE PLATEAU HS DOCK FLOATING CONNECTOR			
		3 PLACES ± --- ± .005	CHECKED BY	DATE	moxex			
		2 PLACES ± 0.13 ± .01	LANG	DATE	DOCUMENT NO. SD-75019-010			
1 PLACE ± 0.25 ± ---	APPROVED BY	DATE	SHEET NO. 4 OF 4					
0 PLACE ± ±	BANAK I S	02-NOV-26	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		ANGULAR ±1/2°		SEE TABLE				