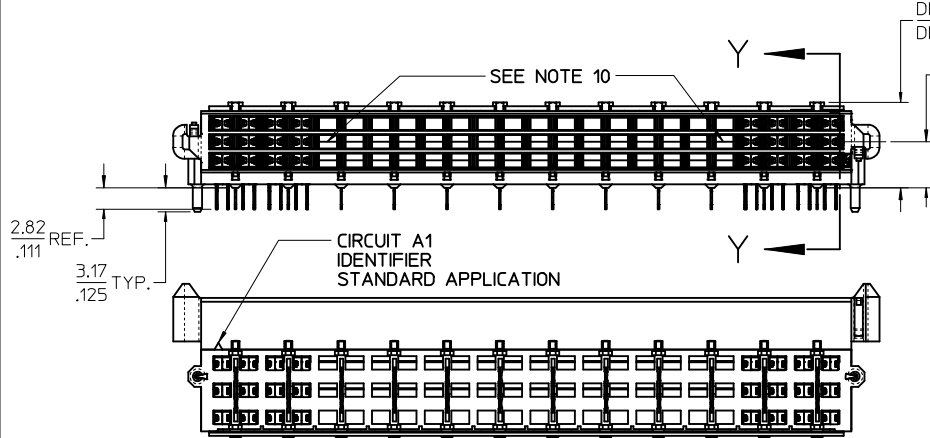


MARKING
SEE NOTE 13

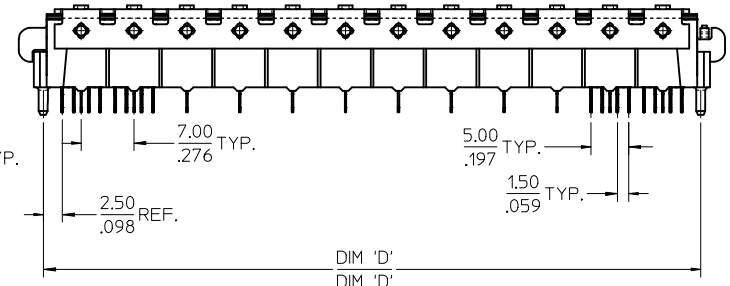
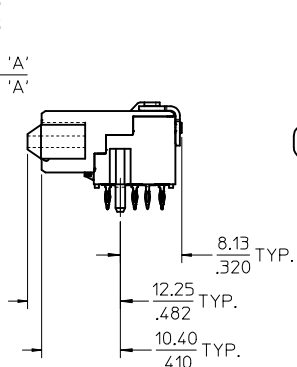
CIRCUIT A1
IDENTIFIER
INVERTED APPLICATION

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



CIRCUIT A1
IDENTIFIER
STANDARD APPLICATION



UPDATE TO NEW LOWER HSG EC NO: UCP2014-2233 DRWNR:WHIPPLE 2013/11/21 CHKD:WPOFF 2013/11/21 APPR:SMILLER 2013/11/27	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			
		ANGULAR ±1/2°		SEE TABLE						
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				

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

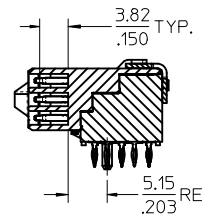
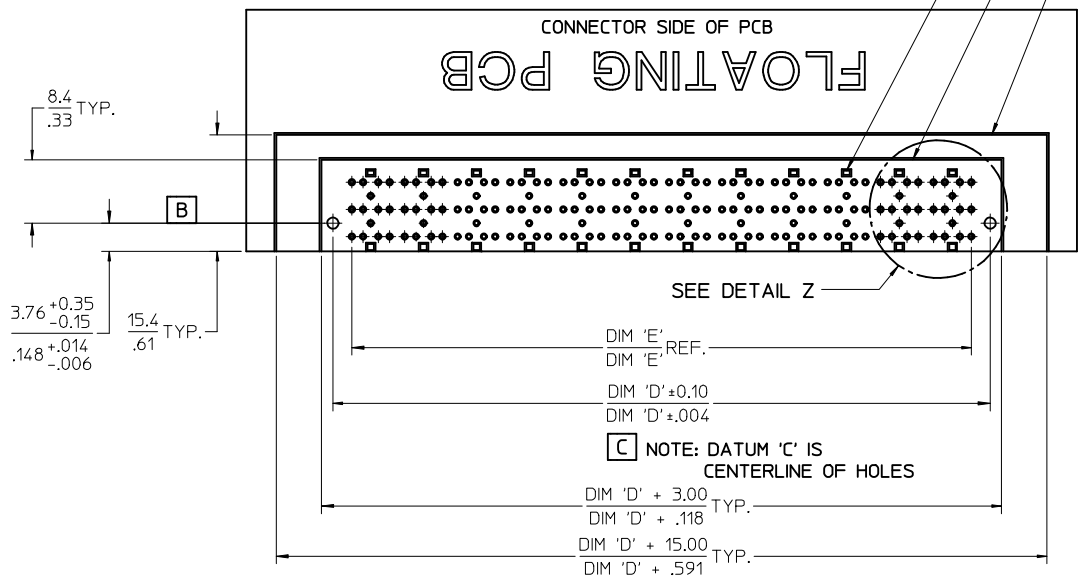
FINISH 2
 CONTACT INTERFACE
 0.76 MICROMETER MINIMUM SELECT GOLD OVER
 1.27 MICROMETER MINIMUM NICKEL OVERALL
 COMPLIANT INTERFACE
 0.76 MICROMETER MINIMUM SELECT MATTE TIN OVER
 1.27 MICROMETER MINIMUM NICKEL OVERALL
 HOUSING
 0.10 MICROMETER MAXIMUM IMMERSION GOLD OVER
 3.81 MICROMETER MINIMUM NICKEL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

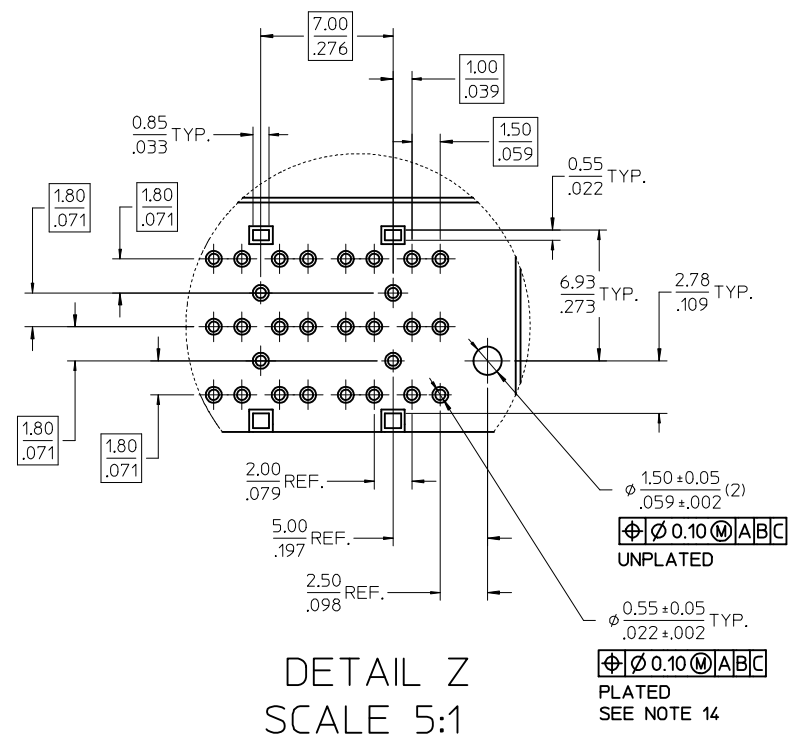
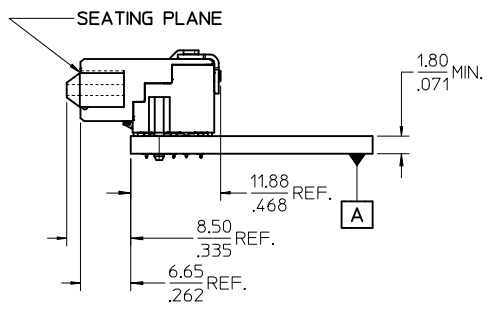
SEE SHEET 1 EC NO: UCP2014-2233 DRWN:RWHIPPLE 2013/11/21 CHKD:RPOFF 2013/11/21 APPR:SMILLER 2013/11/27	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
		4 PLACES ± --- ± ---	INCH	DRAWN BY LANG	DATE 02-NOV-25	TITLE PLATEAU HS DOCK FLOATING CONNECTOR					
		3 PLACES ± --- ± .005	CHECKED BY LANG	DATE 02-NOV-26							
		2 PLACES ± 0.13 ± .01	APPROVED BY BANAKIS	DATE 02-NOV-26	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-75019-010		SHEET NO. 2 OF 4		
1 PLACE ± 0.25 ± ---	ANGULAR ±1/2°		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								
0 PLACE ± ±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										

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

CONNECTOR SIDE OF PCB
FLOATING PCB



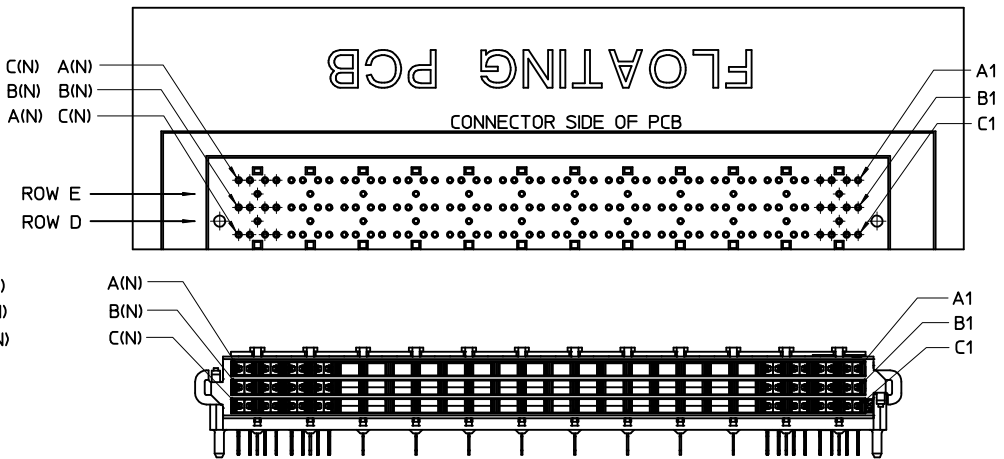
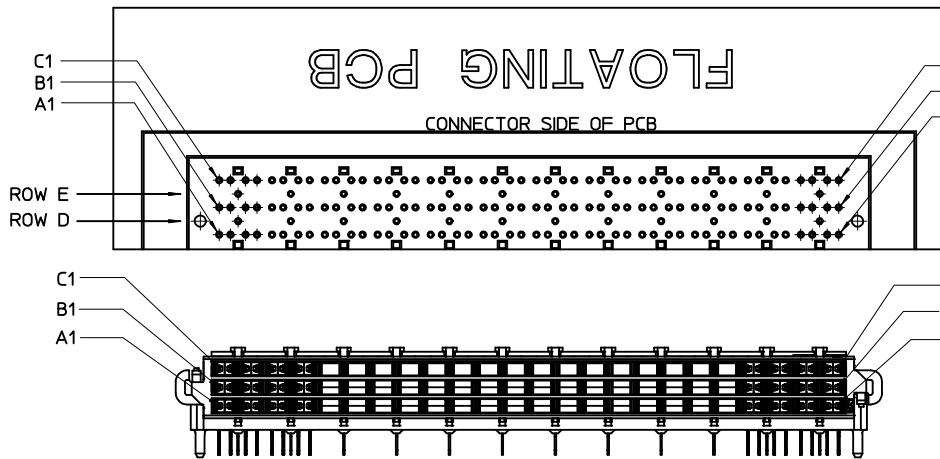
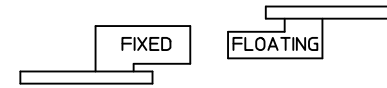
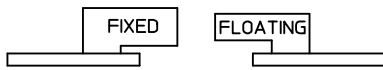
SECTION Y-Y



SEE SHEET 1 EC NO: UCP2014-2233 DRWN:RHIPPLE 2013/11/21 CHKD:RPOFF 2013/11/24 APPR:SMILLER 2013/11/27	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			
▽=0	2 PLACES ± 0.13 ± .01	CHECKED BY DATE	LANG 02-NOV-26	molex DOCUMENT NO. SD-75019-010 SHEET NO. 3 OF 4		
▽=0	1 PLACE ± 0.25 ± ---	APPROVED BY DATE	BANAK I S 02-NOV-26			
REV	DESCRIPTION	ANGULAR ±1/2°	MATERIAL NO.	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
H		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE C			

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: UCP2014-2233 DRWNR:WHIPPLE 2013/11/21 CHKDR:POFF 2013/11/21 APPR:SMILLER 2013/11/27	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	DRAWN BY		DATE		TITLE PLATEAU HS DOCK FLOATING CONNECTOR	
		3 PLACES ± --- ± .005	CHECKED BY	DATE	LANG		DATE			
		2 PLACES ± 0.13 ± .01	APPROVED BY	DATE	MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
1 PLACE ± 0.25 ± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-75019-010		4 OF 4			
0 PLACE ± ±	ANGULAR ±1/2°		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					