

## Excellent Integrated System Limited

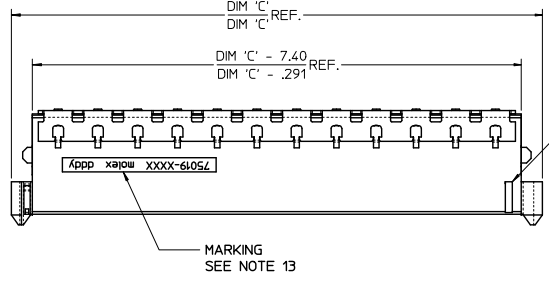
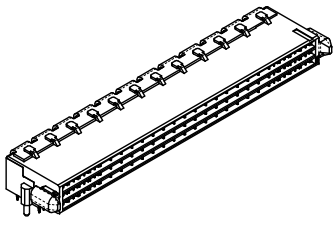
Stocking Distributor

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

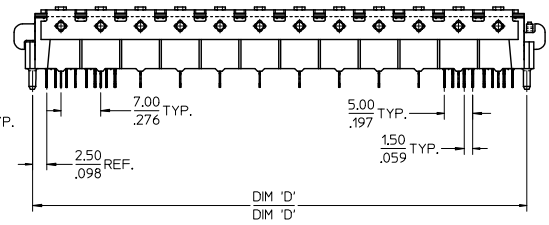
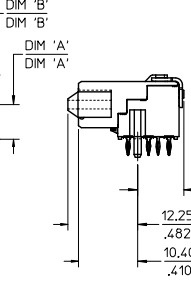
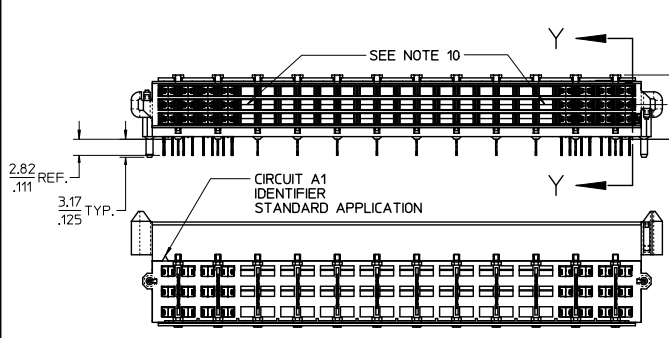
[Molex Connector Corporation](#)  
[0750190014](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



- 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  
APPLICATION TOOLING KEEP OUT AREA.  
NO COMPONENTS ALLOWED IN THIS AREA.
  - 11) CONFORMS TO MOLEX COSMETIC SPECIFICATION PS-45499-002 & PS-45499-003, CLASS C.
  - 12) MARKING: PART NUMBER, MOLEX LOGO, DATE CODE
  - 13) RECOMMENDED DRILL SIZE 0.66±0.03 TO YIELD FINISHED PLATED THROUGH HOLE 0.55±0.05



UPDATE TO NEW LOWER HSG EC NO: UCP2014-2233 DRAWN BY: 2013/11/24 CHKD BY: 2013/11/24 APPR: MILLER 2013/11/24	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± ---	3 PLACES ± --- ± .005	2 PLACES ± 0.13 ± .01	1 PLACE ± 0.25 ± ---	0 PLACE ± ±	DRAWN BY: LANG DATE: 02-NOV-25		TITLE PLATEAU HS DOCK FLOATING CONNECTOR
H	REV	ANGULAR ± 1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-75019-010		1 OF 4	
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						molex	

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)

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

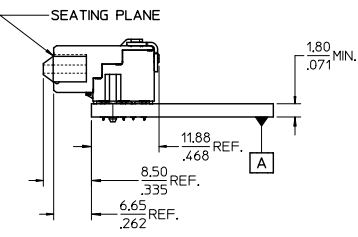
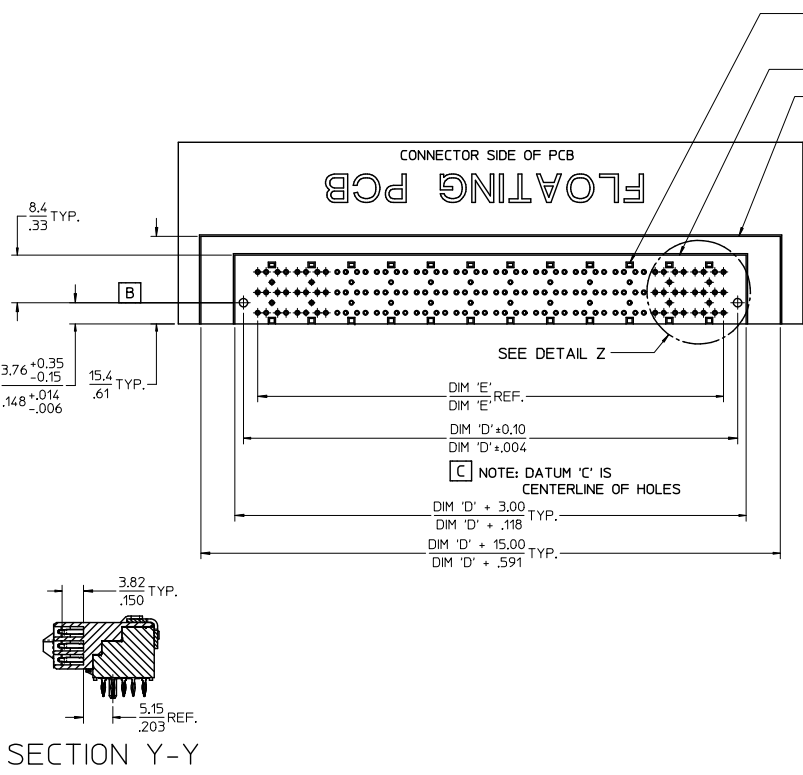
FINISH 3  
 CONTACT INTERFACE  
 0.76 MICROMETER MINIMUM SELECT GOLD OVER  
 1.27 MICROMETER MINIMUM NICKEL OVERALL  
 COMPLIANT INTERFACE  
 0.76 MICROMETER MINIMUM SELECT MATTE TIN OVER  
 1.27 MICROMETER MINIMUM NICKEL OVERALL  
 HOUSING  
 3.81 MICROMETER MINIMUM NICKEL OVER  
 3.81 MICROMETER MINIMUM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

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

SEE SHEET 1 EC NO: UCP2014-2233 DRAWN BY: H CHECKED BY: H APPR: MILLER REV:	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	4 PLACES ± --- ± ---	MM/IN	1:1	METRIC	PLATEAU HS DOCK FLOATING CONNECTOR   SD-75019-010 SHEET NO. 2 OF 4
	▽=0.13	3 PLACES ± --- ± .005	DRAWN BY: LANG DATE: 02-NOV-25			
	▽=0	2 PLACES ± 0.13 ± .01	CHECKED BY: LANG DATE: 02-NOV-26			
▽=0	1 PLACE ± 0.25 ± ---	APPROVED BY: BANAKIS DATE: 02-NOV-26				
		0 PLACE ± ±	MATERIAL NO.	DOCUMENT NO.		
		ANGULAR ±1/2°	SEE TABLE			
		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			

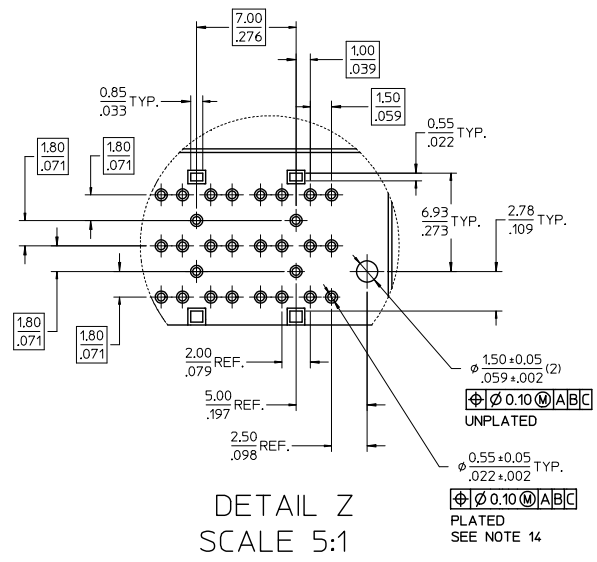
13 12 11 10 9 8 7 6 5 4 3 2 1



NO EXPOSED TRACES ON SURFACE OF PCB IN CONNECTOR STAND OFF LOCATIONS

CONNECTOR KEEP OUT AREA

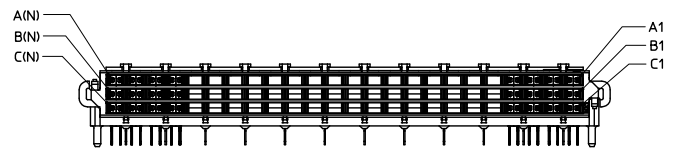
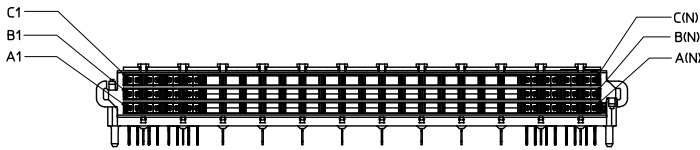
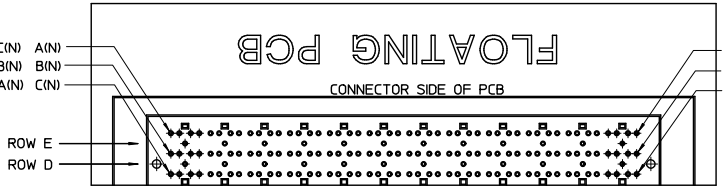
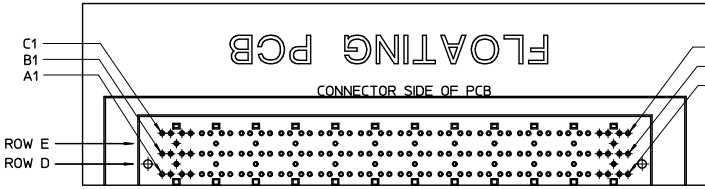
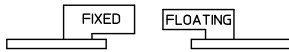
APPLICATION TOOLING KEEP OUT AREA (NOTES 5 & 11)



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

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 DRAWN BY: DRINKWIPPLE 2013/11/24 CHECKED BY: CHKORPOFF 2013/11/24 APPROVED BY: APPERSMILLER 2013/11/24 H REV	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
				MM/IN		2:1	METRIC			
						DRAWN BY	DATE	TITLE		
						CHECKED BY	DATE	PLATEAU HS DOCK FLOATING CONNECTOR		
						APPROVED BY		DATE		
						BANAKI S		02-NOV-26		
				ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-75019-010		
				SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				