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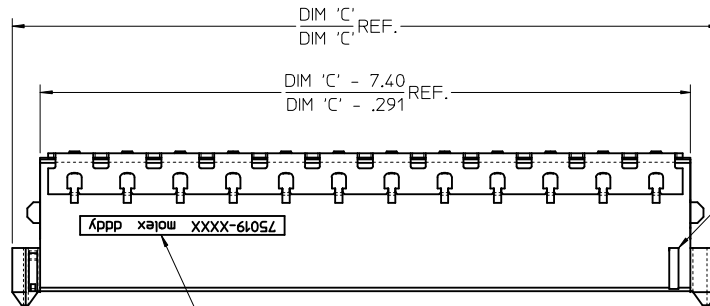
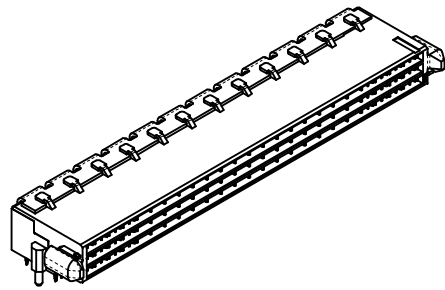
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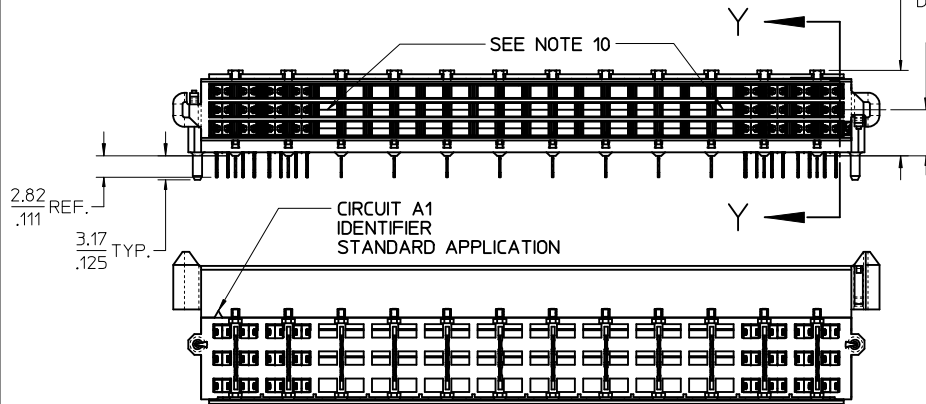
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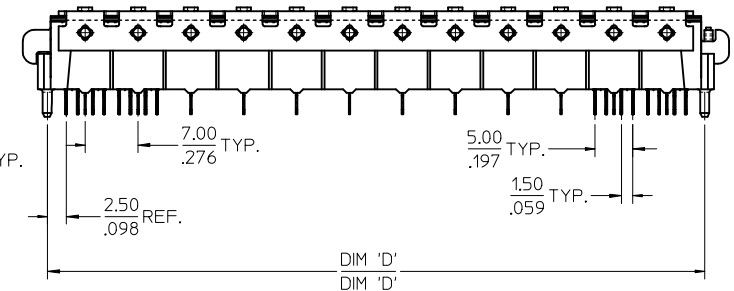
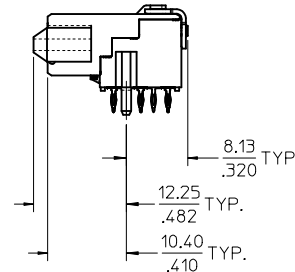


MARKING
SEE NOTE 13

CIRCUIT A1
IDENTIFIER
INVERTED APPLICATION



DIM 'B'
DIM 'B'
DIM 'A'
DIM 'A'



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

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

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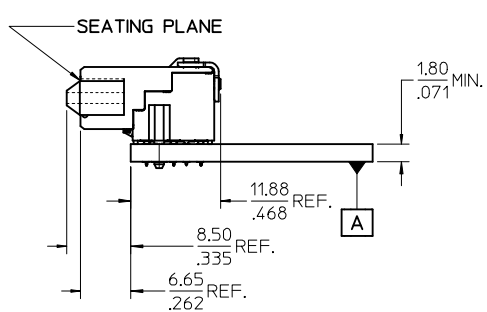
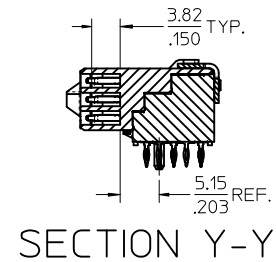
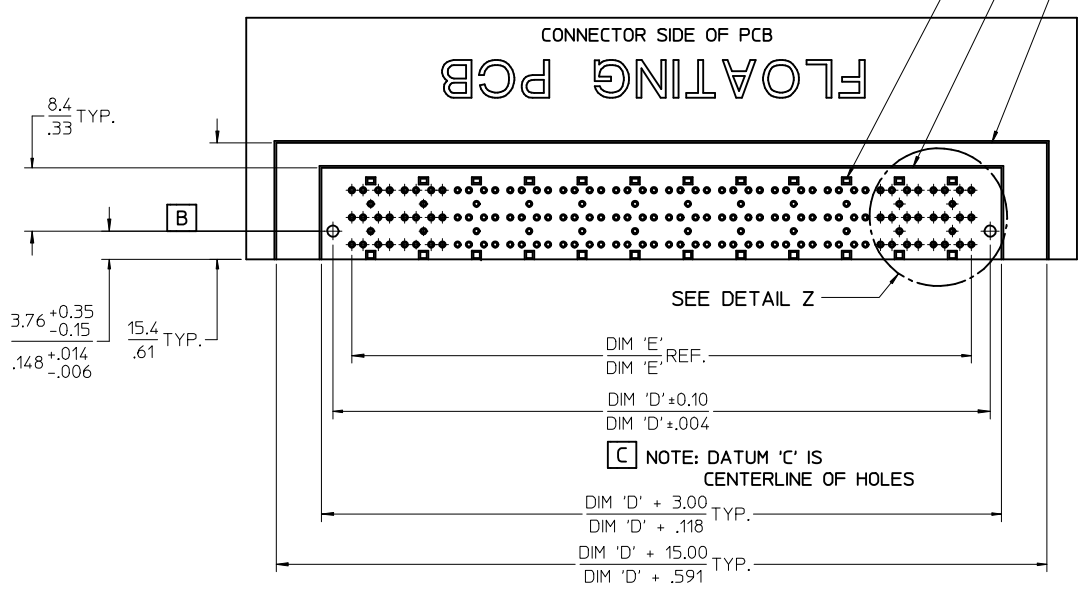
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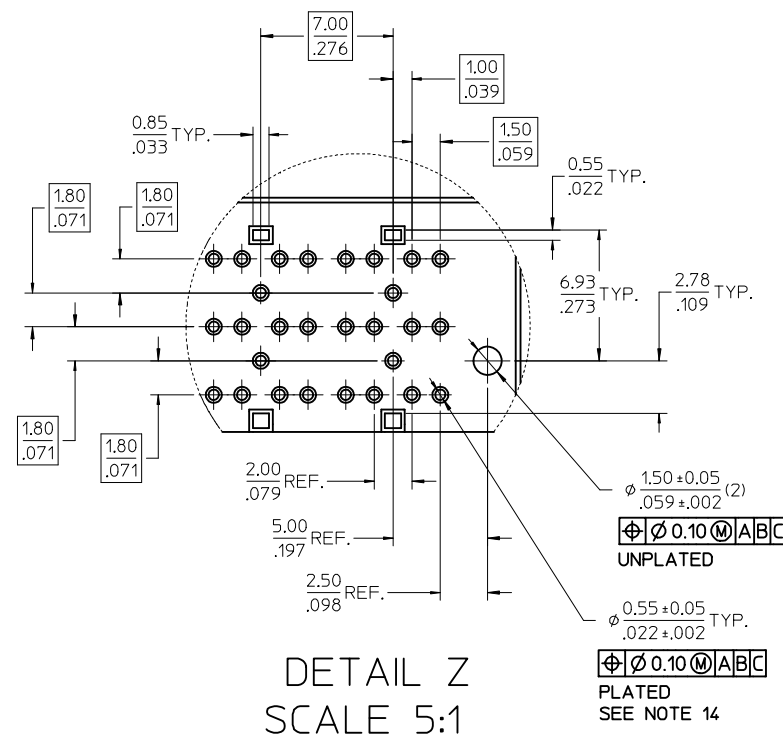
	13	12	11	10	9	8	7	6	5	4	3	2	1	
J	1) FINISHES FINISH 1 (PREVIOUSLY TIN-LEAD) CONTACT INTERFACE 0.76 MICROMETER MINIMUM SELECT GOLD OVER 1.27 MICROMETER MINIMUM NICKEL OVERALL COMPLIANT INTERFACE 0.76 MICROMETER MINIMUM SELECT MATTE TIN OVER 1.27 MICROMETER MINIMUM NICKEL OVERALL HOUSING 0.10 MICROMETER 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													J
I	LEAD-FREE ASSEMBLIES - PLATING FINISH 1 - OBSOLETE													I
	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)						
H	75019-0013	108	18	4.74 (.187)	9.98 (.393)	72.50 (2.854)	66.00 (2.598)	61.00 (2.402)						H
	75019-0017	108	18	6.09 (.240)	11.33 (.446)	72.50 (2.854)	66.00 (2.598)	61.00 (2.402)						
G														G
	LEAD-FREE ASSEMBLIES													
F	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					F
	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					
E	75019-7214	120	20	4.74 (.187)	9.98 (.393)	79.50 (3.130)	73.00 (2.874)	68.00 (2.677)	FINISH 2					E
	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					
D	75019-7313	108	18	4.74 (.187)	9.98 (.393)	72.50 (2.854)	66.00 (2.598)	61.00 (2.402)	FINISH 3					D
	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					
C	75019-7317	108	18	6.09 (.240)	11.33 (.446)	72.50 (2.854)	66.00 (2.598)	61.00 (2.402)	FINISH 3					C
B														B
A	SEE SHEET 1 EC NO: UCP2014-2233 DRWN:RHIPPLE 2013/11/21 CHKD:MP0FF 2013/11/21 APPR:SMILLER 2013/11/27 QUALITY SYMBOLS ▽=0 ▽=0 ▽=0 DESCRIPTION REV GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .005 2 PLACES ± 0.13 ± .01 1 PLACE ± 0.25 ± --- 0 PLACE ± ± ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DIMENSION STYLE MM/IN DRAWN BY DATE LANG 02-NOV-25 CHECKED BY DATE LANG 02-NOV-26 APPROVED BY DATE BANAKIS 02-NOV-26 MATERIAL NO. SEE TABLE SCALE 1:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION PLATEAU HS DOCK FLOATING CONNECTOR molex SD-75019-010 DOCUMENT NO. SHEET NO. 2 OF 4 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													A
	tb_frame_C_P_AM_T Rev. G 2012/01/11	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

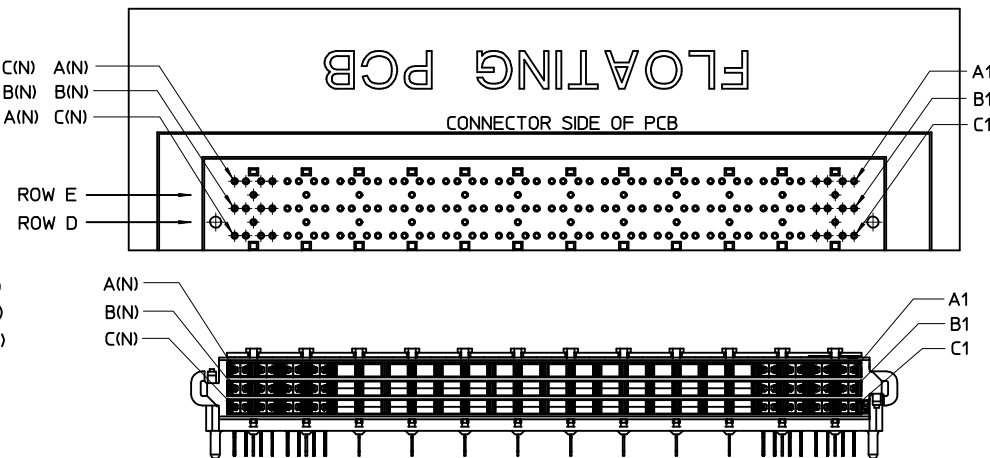
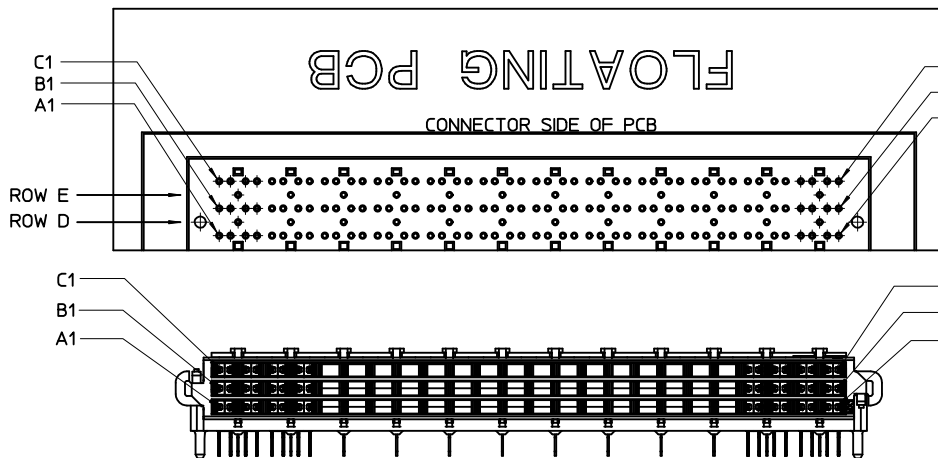
APPLICATION TOOLING KEEP OUT AREA (NOTES 5 & 11)



SEE SHEET 1 EC NO: UCP2014-2233 DRWN:RHIPPLE 2013/11/21 CHKD:MPH 2013/11/21 APPR:SMILLER 2013/11/27 H	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION 	
						MM/IN		2:1	METRIC		
			4 PLACES ± --- ± ---			DRAWN BY	DATE	TITLE PLATEAU HS DOCK FLOATING CONNECTOR molex			
						LANG	02-NOV-25				
			3 PLACES ± --- ±.005			CHECKED BY	DATE				
						LANG	02-NOV-26				
			2 PLACES ±0.13 ±.01			APPROVED BY	DATE	DOCUMENT NO. SD-75019-010			
						BANAK I S	02-NOV-26				
			1 PLACE ±0.25 ± ---			MATERIAL NO. SEE TABLE					
								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						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											

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 DRWN:RHIPPLE 2013/11/24 CHKD:MP0FF 2013/11/24 APPR:SMILLER 2013/11/27	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM/IN		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION PLATEAU HS DOCK FLOATING CONNECTOR molex SD-75019-010	THIRD ANGLE PROJECTION
						DRAWN BY DATE LANG 02-NOV-25		TITLE			
						CHECKED BY DATE LANG 02-NOV-26					
						APPROVED BY DATE BANAK I S 02-NOV-26					
						MATERIAL NO.		DOCUMENT NO.			
			ANGULAR ±1/2°			SEE TABLE					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					SHEET NO. 4 OF 4			
REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

PLATEAU HS DOCK
FLOATING CONNECTOR

molex