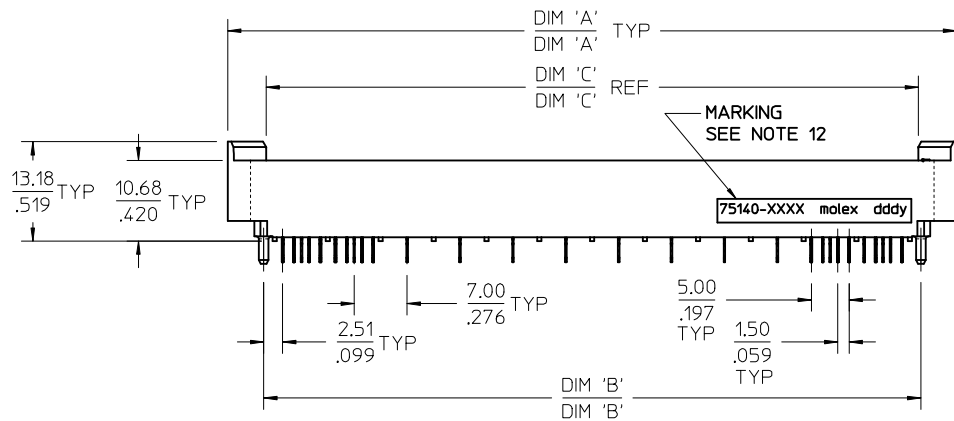
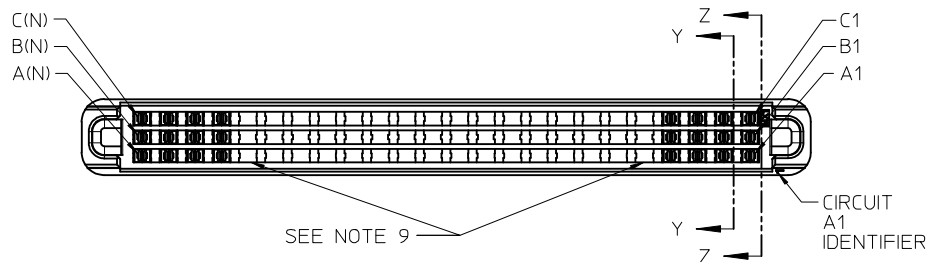
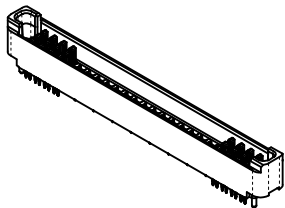


NOTES:

- 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-75020-005
- 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 75019-XXXX.
WILL MATE WITH MAXIMUM 1.27mm MISALIGNMENT.
WILL MATE WITH MAXIMUM 0.5° ROTATION MISALIGNMENT.
- 7) FOR CIRCUIT DESIGNATION SEE SHEET 3
- 8) FOR PCB INFORMATION SEE SHEET 3
- 9) CIRCUITS IN THIS ZONE HAVE BEEN OMITTED TO SIMPLIFY THE MODEL. ACTUAL PRODUCT IS FULLY LOADED WITH TERMINALS.
- 10) APPLICATION TOOLING KEEP OUT AREA.
NO COMPONENTS ALLOWED IN THIS AREA.
- 11) CONFORMS TO MOLEX COSMETIC SPECIFICATION PS-45499-002 AND PS-45499-003 CLASS C.
- 12) MARKING: PART NUMBER, MOLEX LOGO, DATE CODE (dddy)
- 13) 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
DRAWN: TIBARRA 2012/11/12
CHKD: MILLER 2013/01/04
APPR: MILLER 2013/01/04

QUALITY SYMBOLS
▽=0
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± .005
2 PLACES ± 0.13 ± .010
1 PLACE ± 0.25 ± ---
0 PLACE ± --- ± ---
ANGULAR ±1/2°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

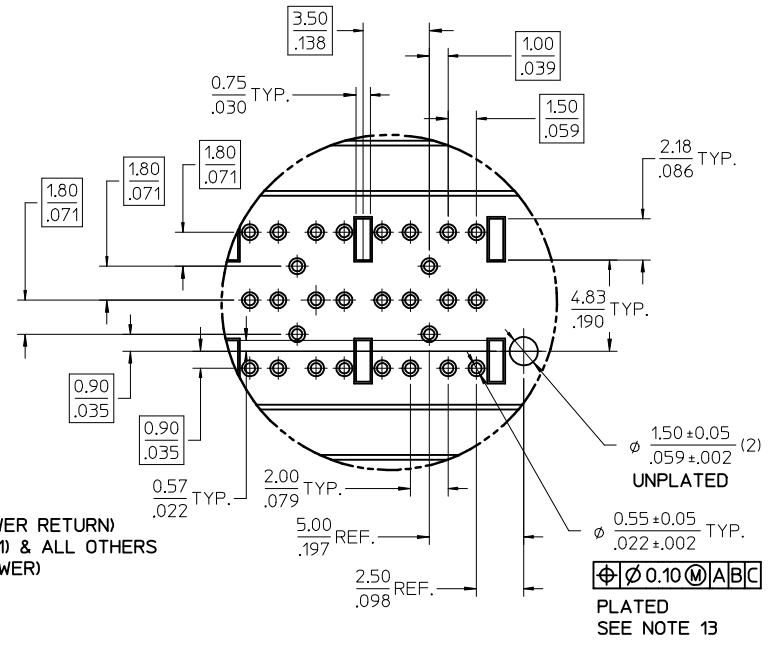
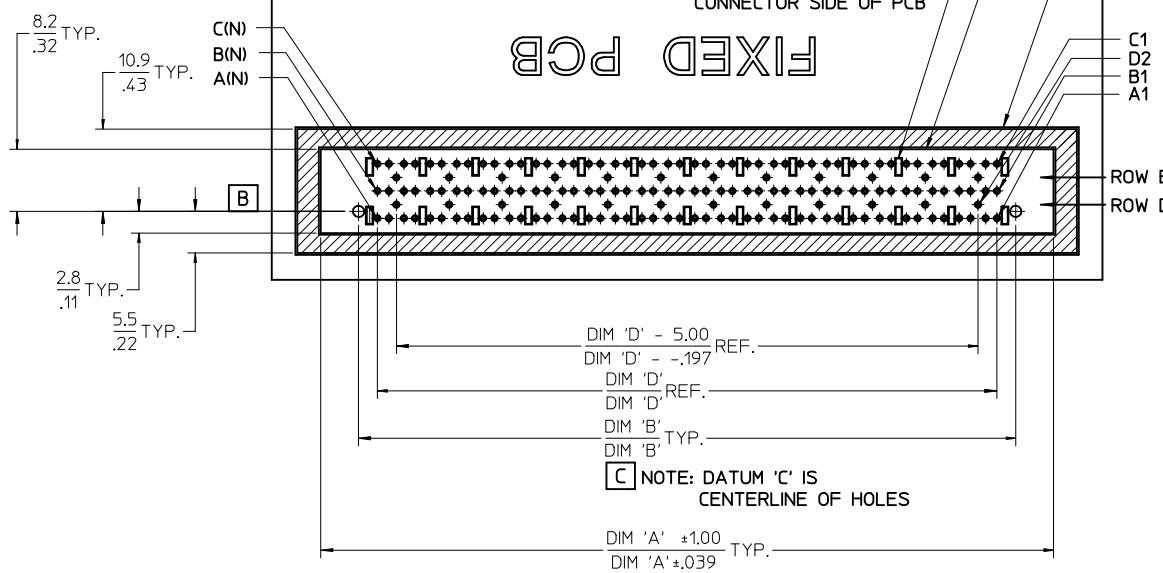
DIMENSION STYLE
MM ONLY
DRAWN BY DATE
MIBARRA 2009/05/20
CHECKED BY DATE
SDANNELLEY 2009/05/20
APPROVED BY DATE
SMILLER 2009/05/20
MATERIAL NO.
SEE TABLE
SIZE C

SCALE
2:1
DESIGN UNITS
METRIC
THIRD ANGLE PROJECTION
HIGH SPEED DOCKING
VERTICAL FIXED CONNECTOR
NO GROUND FINGER
molex
DOCUMENT NO.
SD-75140-005
SHEET NO.
1 OF 3
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX. INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

ITEM NUMBER	CIRCUIT SIZE	NO. OF COLUMNS 'N'	O/A LENGTH DIMENSION 'A' mm(in)	PEG TO PEG DIMENSION 'B' mm(in)	WALL TO WALL DIMENSION 'C' mm(in)	FIRST-LAST DIMENSION 'D' mm(in)	PLATING FINISH
75140-5012	144	48	96.5 (3.80)	87.00 (3.425)	86.32 (3.398)	82.00 (3.228)	FINISH 1
75140-5017	108	36	75.5 (2.97)	66.00 (2.598)	65.29 (2.570)	61.00 (2.402)	FINISH 1
75140-7012	144	48	96.5 (3.80)	87.00 (3.425)	86.32 (3.398)	82.00 (3.228)	FINISH 2
75140-7017	108	36	75.5 (2.97)	66.00 (2.598)	65.29 (2.570)	61.00 (2.402)	FINISH 2
75140-9012	144	48	96.5 (3.80)	87.00 (3.425)	86.32 (3.398)	82.00 (3.228)	FINISH 3
75140-9017	108	36	75.5 (2.97)	66.00 (2.598)	65.29 (2.570)	61.00 (2.402)	FINISH 3

- 1) FINISHES:
FINISH 1: (PREVIOUSLY TIN-LEAD)
CONTACT INTERFACE
0.76 MICROMETERS MINIMUM SELECT GOLD
NICKEL UNDERPLATE OVERALL
COMPLIANT INTERFACE
0.76 MICROMETERS MINIMUM SELECT TIN OVER
NICKEL UNDERPLATE OVERALL
HOUSING
0.10 MICROMETERS MAXIMUM GOLD OVER
3.81 MICROMETERS MINIMUM NICKEL OVER
COPPER UNDERPLATE OVERALL
- FINISH 2:
CONTACT INTERFACE
0.76 MICROMETERS MINIMUM SELECT GOLD
NICKEL UNDERPLATE OVERALL
COMPLIANT INTERFACE
0.76 MICROMETERS MINIMUM SELECT MATTE TIN
NICKEL UNDERPLATE OVERALL
HOUSING
0.10 MICROMETERS MAXIMUM GOLD OVER
3.81 MICROMETERS MINIMUM NICKEL OVER
COPPER UNDERPLATE OVERALL
- FINISH 3:
CONTACT INTERFACE
0.76 MICROMETERS MINIMUM SELECT GOLD
NICKEL UNDERPLATE OVERALL
COMPLIANT INTERFACE
0.76 MICROMETERS MINIMUM SELECT MATTE TIN
NICKEL UNDERPLATE OVERALL
HOUSING
3.81 MICROMETERS MINIMUM NICKEL OVER
COPPER UNDERPLATE OVERALL

SEE SHEET 1 EC NO: UCP2013-1884 DRWN:TIBARRA 2012/11/12 CHKD: APPR:SMILLER 2013/01/04	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY MIBARRA	DATE 2009/05/20	TITLE HIGH SPEED DOCKING VERTICAL FIXED CONNECTOR NO GROUND FINGER molex			
			4 PLACES	± ---	± ---	CHECKED BY SDANNELLEY	DATE 2009/05/20				
			3 PLACES	± ---	± .005	APPROVED BY SMILLER	DATE 2009/05/20				
			2 PLACES	± 0.13	± .010	MATERIAL NO. SEE TABLE			DOCUMENT NO. SD-75140-005		SHEET NO. 2 OF 3
			1 PLACE	± 0.25	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
			0 PLACE	± ---	± ---	SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



NOMINAL WIPE - FULLY MATED

FIRST MATE: 5.2mm
SECOND MATE: 2.7mm
THIRD MATE: 2.2mm
LAST MATE: 1.7mm

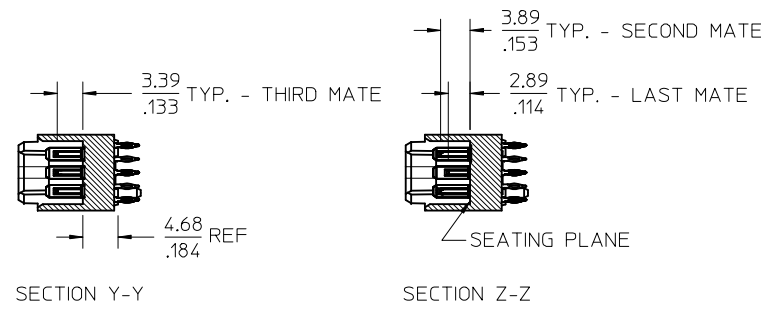
CIRCUIT DESIGNATION

FIRST MATE: 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

DETAIL X
SCALE 5:1



SEE SHEET 1 EC NO: UCP2013-1884 DRAWN: TIBARRA 2012/11/12 CHKD: MILLER APPR: MILLER 2013/01/04 D	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
					mm	INCH	DRAWN BY MIBARRA	DATE 2009/05/20	TITLE HIGH SPEED DOCKING VERTICAL FIXED CONNECTOR NO GROUND FINGER				
			4 PLACES		± ---	± ---	CHECKED BY SDANNELLEY	DATE 2009/05/20					
			3 PLACES		± ---	± .005	APPROVED BY SMILLER					DATE 2009/05/20	
			2 PLACES		± 0.13	± .010	MATERIAL NO. SEE TABLE					DOCUMENT NO. SD-75140-005	
			1 PLACE		± 0.25	± ---	SHEET NO. 3 OF 3						
			0 PLACE		± ---	± ---							
			ANGULAR ±1/2°										
			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	

HIGH SPEED DOCKING
VERTICAL FIXED CONNECTOR
NO GROUND FINGER
molex