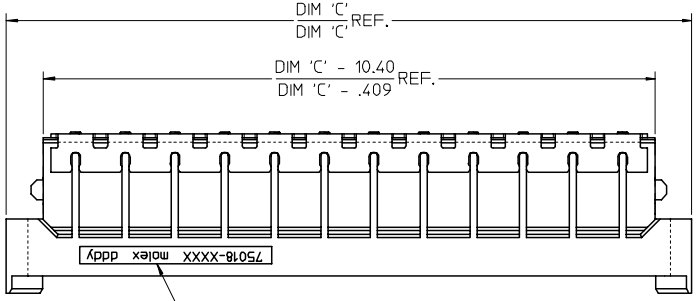
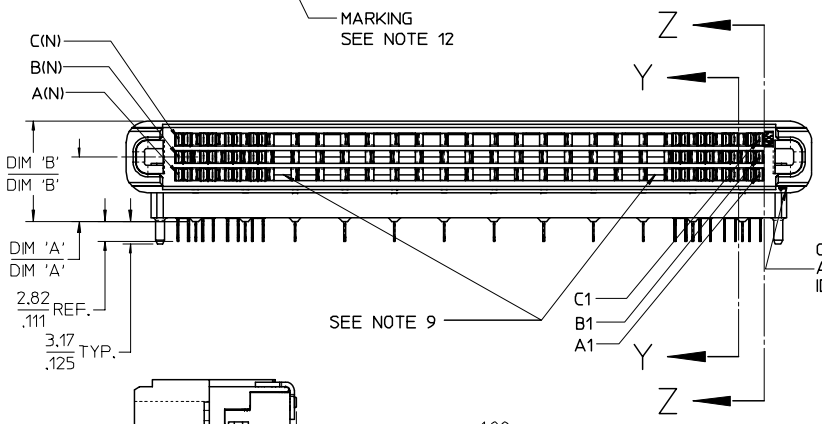
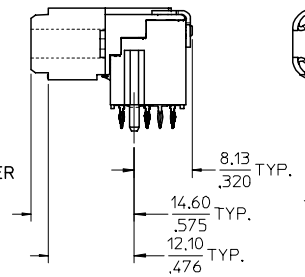


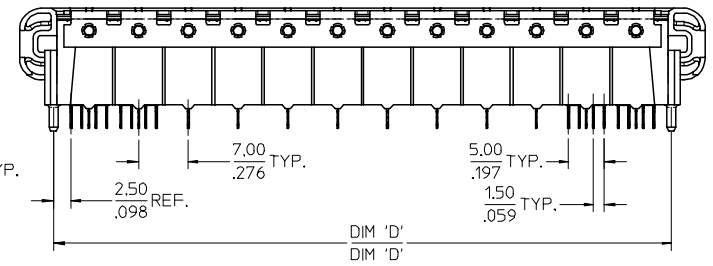
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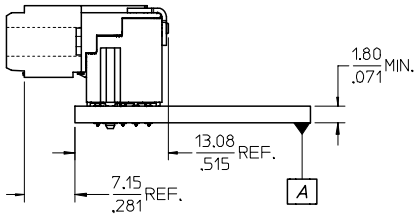
1) MATERIALS:
   HOUSING - LIQUID CRYSTAL POLYMER, UL94 V-0
   WAFER DIELECTRIC - LIQUID CRYSTAL POLYMER, UL94 V-0
   CONTACT - TIN-BRASS
2) FINISHES:
   CONTACT INTERFACE
      0.76 MICRON MIN. SELECT GOLD
      1.27 MICRON MIN. NICKEL OVERALL
   COMPLIANT INTERFACE
      0.76 MICRON MIN. SELECT TIN/LEAD OVER
      1.27 MICRON MIN. NICKEL OVERALL
   HOUSING
      0.10 MICRON MAX. IMMERSION GOLD OVER
      3.81 MICRON MIN. NICKEL OVER
      3.81 MICRON MIN. COPPER OVERALL
3) PRODUCT SPECIFICATION
   THIS PART CONFORMS TO MOLEX SPECIFICATION PS-75018-001.
4) PACKAGING SPECIFICATION
   THIS PART TO BE PACKAGED PER SPECIFICATION PK-75020-010.
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 MIS-ALIGNMENT.
   WILL MATE WITH MAXIMUM 0.5° MIS-ALIGNMENT.
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-75005-001.
12) MARKING: PART NUMBER, MOLEX LOGO, DATE CODE
13) RECOMMENDED DRILL SIZE 0.66±0.03 TO YIELD FINISHED PLATED THROUGH HOLE OF 0.55±0.05











EC NO: UCP2004-1217	2004/02/02	
DRWN: KLANG	2004/02/03	
CHKD:		
APPR: MBANAKIS	2004/02/05	
DESCRIPTION		
A		REV

QUALITY SYMBOLS
▼ - 0
▽ - 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .005
2 PLACES	± 0.13	± .01
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

SCALE	2:1
DESIGN UNITS	METRIC
DIMENSION STYLE	MM/IN
DRAWN BY	LANG
DATE	02-NOV-25
CHECKED BY	LANG
DATE	02-NOV-26
APPROVED BY	BANAKIS
DATE	02-NOV-26

THIRD ANGLE PROJECTION | REVISE ON CAD ONLY

TITLE: HIGH SPEED DOCKING FIXED CONNECTOR

MOLEX INCORPORATED

MATERIAL NO.	DOCUMENT NO.	SHEET NO.
SEE SHEET 2	SD-75018-010	1 OF 3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

C

ITEM NUMBER	CIRCUT 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)
NOT TOOLED	144	48	4.74 (.187)	9.78 (.385)	96.50 (3.799)	87.00 (3.425)	82.00 (3.228)
NOT TOOLED	144	48	5.74 (.226)	10.78 (.424)	96.50 (3.799)	87.00 (3.425)	82.00 (3.228)
NOT TOOLED	144	48	8.74 (.344)	13.78 (.543)	96.50 (3.799)	87.00 (3.425)	82.00 (3.228)
NOT TOOLED	132	44	4.74 (.187)	9.78 (.385)	89.50 (3.524)	80.00 (3.150)	75.00 (2.953)
NOT TOOLED	120	40	4.74 (.187)	9.78 (.385)	82.50 (3.248)	73.00 (2.874)	68.00 (2.677)
NOT TOOLED	108	36	4.74 (.187)	9.78 (.385)	75.50 (2.972)	66.00 (2.598)	61.00 (2.402)
75018-0014	108	36	5.74 (.226)	10.78 (.424)	75.50 (2.972)	66.00 (2.598)	61.00 (2.402)
NOT TOOLED	108	36	8.74 (.344)	13.78 (.543)	75.50 (2.972)	66.00 (2.598)	61.00 (2.402)
NOT TOOLED	96	32	4.74 (.187)	9.78 (.385)	68.50 (2.697)	59.00 (2.323)	54.00 (2.126)
NOT TOOLED	84	28	4.74 (.187)	9.78 (.385)	61.50 (2.421)	52.00 (2.047)	47.00 (1.850)
NOT TOOLED	72	24	4.74 (.187)	9.78 (.385)	54.50 (2.146)	45.00 (1.772)	40.00 (1.575)
NOT TOOLED	60	20	4.74 (.187)	9.78 (.385)	47.50 (1.870)	38.00 (1.496)	33.00 (1.299)
NOT TOOLED	48	16	4.74 (.187)	9.78 (.385)	40.50 (1.594)	31.00 (1.220)	26.00 (1.024)
NOT TOOLED	36	12	4.74 (.187)	9.78 (.385)	33.50 (1.319)	24.00 (0.945)	19.00 (0.748)

EC NO: UCP2004-1217 2004/02/02
DRWN: KLANG 2004/02/03
CHKD:
APPR: MBANAKIS 2004/02/05
DESCRIPTION
A
REV

QUALITY SYMBOLS
▼ - 0
▽ - 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
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1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

SCALE 1:1
DESIGN UNITS METRIC
THIRD ANGLE PROJECTION
REVISE ON CAD ONLY
DIMENSION STYLE MM/IN
DRAWN BY LANG DATE 02-NOV-25
CHECKED BY LANG DATE 02-NOV-26
APPROVED BY BANAKIS DATE 02-NOV-26

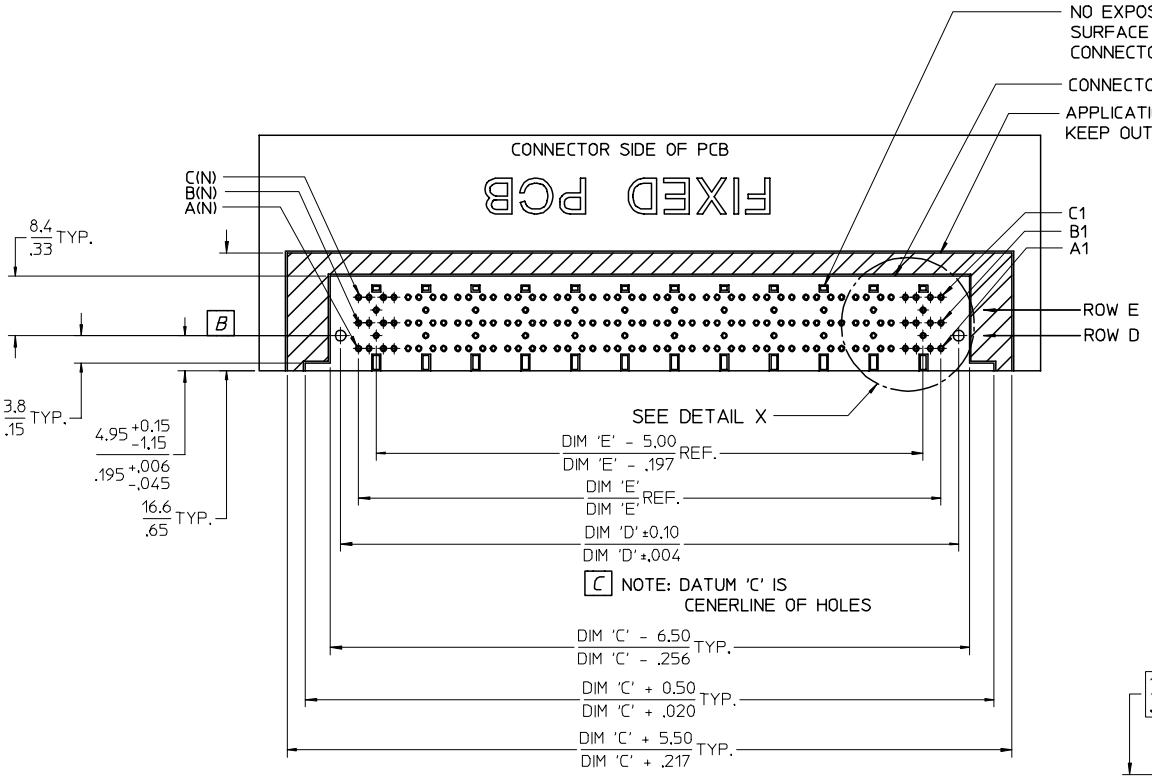
TITLE
HIGH SPEED DOCKING
FIXED CONNECTOR

molex MOLEX INCORPORATED

MATERIAL NO. SEE CHART
DOCUMENT NO. SD-75018-010
SHEET NO. 2 OF 3

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C

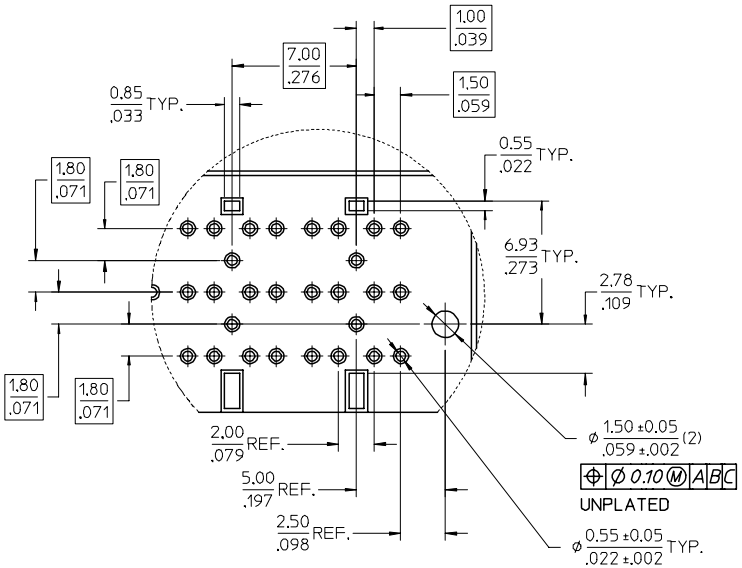


CIRCUIT DESIGNATION

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 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)

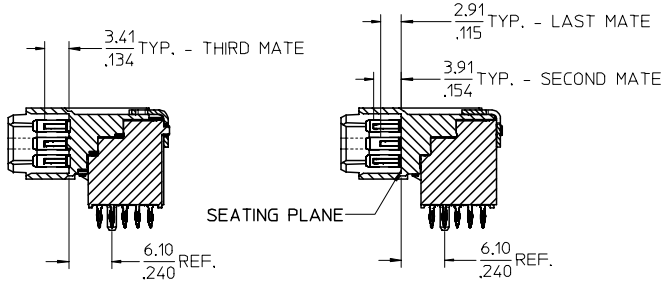
SIGNAL GROUND: ROWS D & E



DETAIL X
SCALE 5:1

NOMINAL WIPE - FULL SEATED

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



SECTION Y-Y SECTION Z-Z

EC NO: UCP2004-1217 2004/02/02
DRWN: KLANG 2004/02/03
CHKD:
APPR: MBANAKIS 2004/02/05
DESCRIPTION
A
REV

QUALITY SYMBOLS
0
0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
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3 PLACES	± ---	± .005
2 PLACES	± 0.13	± .01
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE 2:1
DESIGN UNITS METRIC
THIRD ANGLE PROJECTION
REVISE ON CAD ONLY
DIMENSION STYLE MM/IN
DRAWN BY LANG DATE 02-NOV-25
CHECKED BY LANG DATE 02-NOV-26
APPROVED BY BANAKIS DATE 02-NOV-26

TITLE
HIGH SPEED DOCKING FIXED CONNECTOR

molex MOLEX INCORPORATED

MATERIAL NO. SEE SHEET 2
DOCUMENT NO. SD-75018-010
SHEET NO. 3 OF 3

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rev. B1 2000/08/01