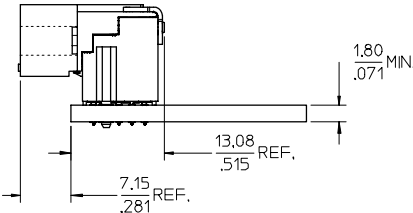
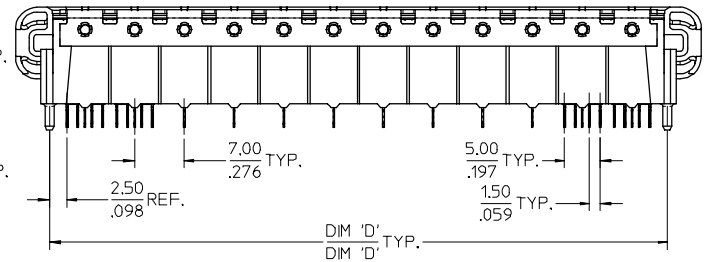
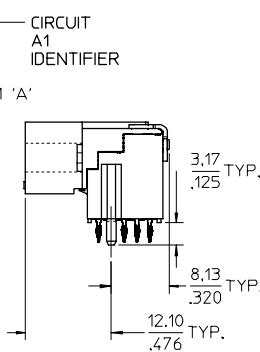
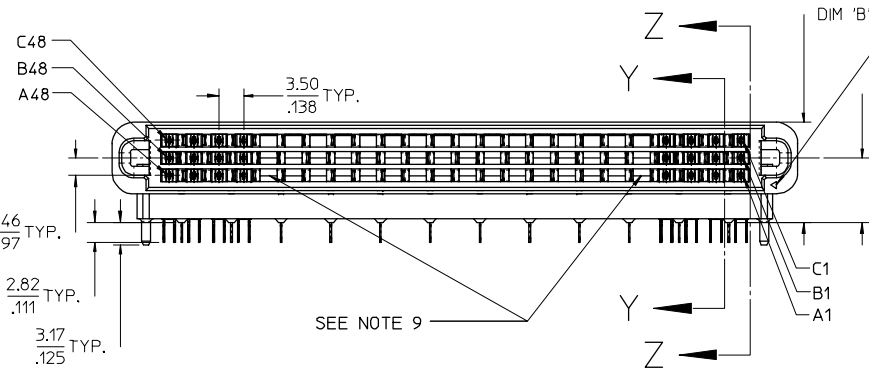


NOTES:

- 1) MATERIALS:  
HOUSING - LIQUID CRYSTAL POLYMER, UL94 V-0  
WAFER DIELECTRIC - LIQUID CRYSTAL POLYMER, UL94 V-0  
CONTACT - TIN-BRASS
- 2) FINISHES:  
CONTACT  
0.76 MICRON MIN. SELECT GOLD AND  
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.
- 6) MATING INFORMATION  
THIS PART MATES WITH 75019-XXXX.
- 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 TALLER THAN 4.0mm ALLOWED IN THIS AREA.
- 11) USE APPLICATION TOOL NOTED IN CHART WHEN INSERTING INTO PCB.
- 12) CONFORMS TO MOLEX COSMETIC SPECIFICATION ES-75005-001.



|  |                 |  |                       |   |                     |                                    |                           |
|--|-----------------|--|-----------------------|---|---------------------|------------------------------------|---------------------------|
| EC NO: UCP2003-1292<br>DRWN: KLANG 2003/01/14<br>CHKD: 2003/01/15<br>APPR: MBANAKIS 2003/01/15 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                |                       | SCALE 2:1   | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION             | REVISE ON CAD ONLY        |
|  | ▽ 0             | m/m  | INCH                  | DIMENSION STYLE MM/IN   |                     | TITLE                              |                           |
|  | ∇ 0             | 4 PLACES ± --- ± ---                                 | 3 PLACES ± --- ± .005 | DRAWN BY LANG   | DATE 02-NOV-25      | HIGH SPEED DOCKING FIXED CONNECTOR |                           |
|  |                 | 2 PLACES ± 0.13 ± .01                                | 1 PLACE ± 0.25 ± ---  | CHECKED BY LANG   | DATE 02-NOV-26      | MOLEX INCORPORATED                 |                           |
| 1  | DESCRIPTION     | ANGULAR ±1/2°  |                       | APPROVED BY BANAKIS   | DATE 02-NOV-26      | MATERIAL NO. SEE SHEET 2           | DOCUMENT NO. SD-75018-010 |
|  | REV             | 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 |                     | SHEET NO. 1 OF 3                   |                           |

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| ITEM NUMBER | CIRCUIT SIZE | 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) | APPLICATION TOOLING ITEM NUMBER |
|-------------|--------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| 75018-0001  | 144          | 4.74 (.187)                     | 9.78 (.385)                     | 96.50 (3.799)                   | 87.00 (3.425)                   | 82.00 (3.228)                   | 62202-0225                      |
| NOT TOOLED  | 144          | 9.07 (.357)                     | 14.11 (.555)                    | 96.50 (3.799)                   | 87.00 (3.425)                   | 82.00 (3.228)                   | NOT TOOLED                      |
| 75018-0003  | 144          | 5.74 (.226)                     | 10.78 (.424)                    | 96.50 (3.799)                   | 87.00 (3.425)                   | 82.00 (3.228)                   | 62202-0225                      |
| NOT TOOLED  | 132          | 4.74 (.187)                     | 9.78 (.385)                     | 89.50 (3.524)                   | 80.00 (3.150)                   | 75.00 (2.953)                   | NOT TOOLED                      |
| 75018-0006  | 120          | 4.74 (.187)                     | 9.78 (.385)                     | 82.50 (3.248)                   | 73.00 (2.874)                   | 68.00 (2.677)                   | NOT TOOLED                      |
| 75018-0005  | 108          | 4.74 (.187)                     | 9.78 (.385)                     | 75.50 (2.972)                   | 66.00 (2.598)                   | 61.00 (2.402)                   | 62202-0224                      |
| 75018-0004  | 108          | 5.74 (.226)                     | 10.78 (.424)                    | 75.50 (2.972)                   | 66.00 (2.598)                   | 61.00 (2.402)                   | 62202-0224                      |
| NOT TOOLED  | 96           | 4.74 (.187)                     | 9.78 (.385)                     | 68.50 (2.697)                   | 59.00 (2.323)                   | 54.00 (2.126)                   | NOT TOOLED                      |
| NOT TOOLED  | 84           | 4.74 (.187)                     | 9.78 (.385)                     | 61.50 (2.421)                   | 52.00 (2.047)                   | 47.00 (1.850)                   | NOT TOOLED                      |
| NOT TOOLED  | 72           | 4.74 (.187)                     | 9.78 (.385)                     | 54.50 (2.146)                   | 45.00 (1.772)                   | 40.00 (1.575)                   | NOT TOOLED                      |
| NOT TOOLED  | 60           | 4.74 (.187)                     | 9.78 (.385)                     | 47.50 (1.870)                   | 38.00 (1.496)                   | 33.00 (1.299)                   | NOT TOOLED                      |
| NOT TOOLED  | 48           | 4.74 (.187)                     | 9.78 (.385)                     | 40.50 (1.594)                   | 31.00 (1.220)                   | 26.00 (1.024)                   | NOT TOOLED                      |
| NOT TOOLED  | 36           | 4.74 (.187)                     | 9.78 (.385)                     | 33.50 (1.319)                   | 24.00 (0.945)                   | 19.00 (0.748)                   | NOT TOOLED                      |

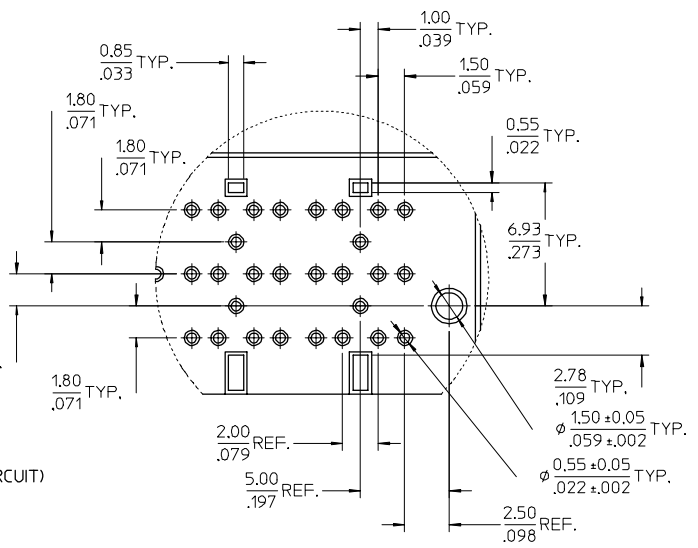
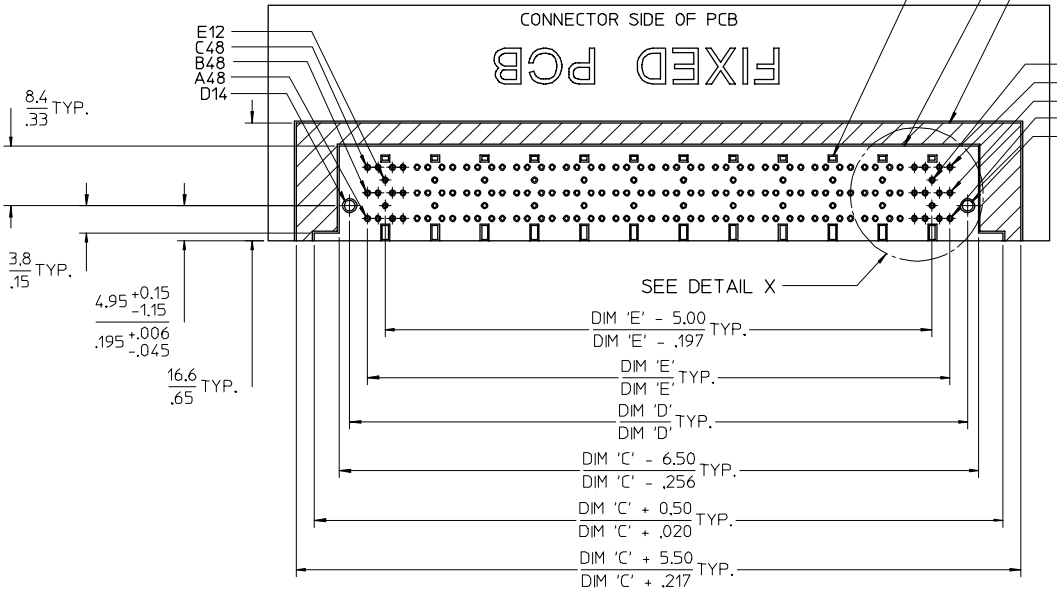
|  |                  |   |   |   |  |                        |                    |
|--|------------------|---|---|---|--|------------------------|--------------------|
| EC NO: UCP2003-1292<br>DRWN: KLANG 2003/01/14<br>CHKD: 2003/01/15<br>APPR: MBANAKIS 2003/01/15 | DESCRIPTION<br>1 | QUALITY SYMBOLS   | GENERAL TOLERANCES (UNLESS SPECIFIED)   | SCALE 1:1   | DESIGN UNITS METRIC                      | THIRD ANGLE PROJECTION | REVISE ON CAD ONLY |
|  |                  | ▽ .0<br>◻ .0  | mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± .005<br>2 PLACES ± 0.13 ± .01<br>1 PLACE ± 0.25 ± ---<br>ANGULAR ± 1/2° | DIMENSION STYLE MM/IN   | TITLE HIGH SPEED DOCKING FIXED CONNECTOR |                        |                    |
|  |                  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  | DRAWN BY DATE LANG 02-NOV-25<br>CHECKED BY DATE LANG 02-NOV-26  | MATERIAL NO. SEE CHART<br>DOCUMENT NO. SD-75018-010<br>SHEET NO. 2 OF 3 |  |                        |                    |
|  |                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |   |   |  |                        |                    |

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NO EXPOSED TRACES ON SURFACE OF PCB IN CONNECTOR STAND OFF LOCATIONS  
CONNECTOR KEEP OUT AREA  
APPLICATION TOOLING KEEP OUT AREA (NOTES 10 & 11)



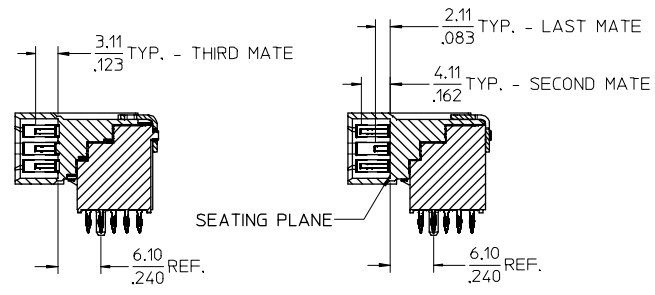
DETAIL X  
SCALE 5:1

NOMINAL WIPE  
FIRST MATE: 5.2mm  
SECOND MATE: 2.8mm  
THIRD MATE: 1.8mm  
LAST MATE: 0.8mm

CIRCUIT DESIGNATION (EXAMPLE FOR 144 CIRCUIT)  
FIRST MATE: HOUSING - SIGNAL GROUND  
SECOND MATE: A1, C1, A48, C48  
THIRD MATE: A2, B2, C2, A47, B47, C47 & ALL OTHERS  
LAST MATE: B1, B48

ALL COLUMNS FROM 3 THROUGH 46 ARE SUITABLE FOR DIFFERENTIAL PAIRS  
EG: A3-A4, B3-B4, C3-C4, A21-A22, B33-B34, C45-C46

SIGNAL GROUND: ROWS D & E



|  |                                   |  |                                    |  |  |                        |                    |
|--|-----------------------------------|--|------------------------------------|--|--|------------------------|--------------------|
| EC NO: UCP2003-1292<br>DRWN: KLANG 2003/01/14<br>CHKD: 2003/01/15<br>APPR: MBANAKIS 2003/01/15 | QUALITY SYMBOLS<br>▽ - 0<br>◻ - 0 | GENERAL TOLERANCES (UNLESS SPECIFIED)  |                                    | SCALE 2:1  | DESIGN UNITS METRIC                      | THIRD ANGLE PROJECTION | REVISE ON CAD ONLY |
|  |                                   | 4 PLACES ± --- ± ---<br>3 PLACES ± --- ± .005<br>2 PLACES ± 0.13 ± .01<br>1 PLACE ± 0.25 ± --- | DIMENSION STYLE MM/IN              | DRAWN BY DATE LANG 02-NOV-25<br>CHECKED BY DATE LANG 02-NOV-26 | TITLE HIGH SPEED DOCKING FIXED CONNECTOR |                        |                    |
| 1  | DESCRIPTION                       | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS   | APPROVED BY DATE BANAKIS 02-NOV-26 | MATERIAL NO. SEE SHEET 2                                       | DOCUMENT NO. SD-75018-010                | SHEET NO. 3 OF 3       |                    |

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