

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

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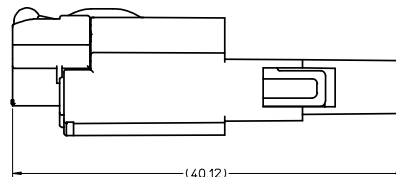
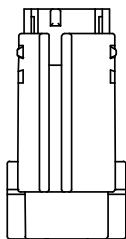
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D

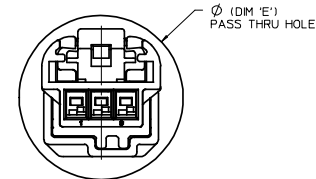
C

B

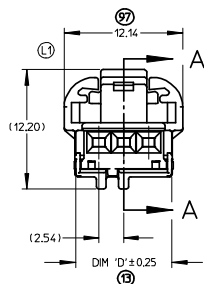
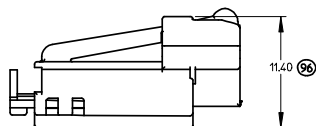
A



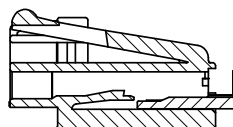
OVERALL MATED LENGTH



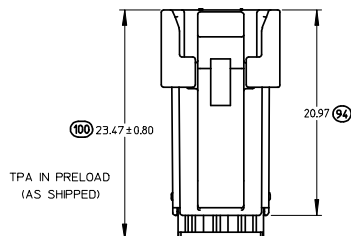
MALE AND FEMALE ASSEMBLY  
PASS THRU VIEW  
(CAD GENERATED)



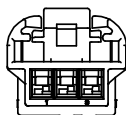
MATING SIDE



SECTION A-A  
SCALE 4:1



TPA IN PRELOAD  
(AS SHIPPED)



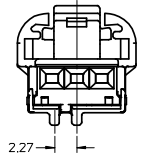
WIRE SIDE

- NOTES:
1. MATERIAL: HOUSING: SPS GLASS FILLED, COLOR SEE CHART.  
TPA: PBT.
  2. PRODUCT SPECIFICATIONS - IN-LINE MATING INTERFACE: PS-31067-0001.  
- DIRECT CONNECT MATING INTERFACE: PS-31100-0001.
  3. PACKAGING SPECIFICATION: DRAWING PK-30907-737.
  4. MATES WITH: SEE SALES DRAWINGS SD-31110-003 (MALE INLINE),  
SD-31197-003 (RIGHT ANGLE HEADER), SD-31101-114 (VERTICAL  
"WINGED" HEADER), AND SD-31206-003 (VERTICAL HEADER).
  5. TERMINAL PLATING: TIN (Sn) OVERALL, BRITTE FINISH.  
THICKNESS = 15 MICROMETER MINIMUM,  
NICKEL (Ni) UNDERPLATE OVERALL.
  6. PACKAGING: PLEASE REFERENCE MOLEX SPECIFICATION PS-34646-001,  
AVAILABLE AT WWW.MOLEX.COM. (REFERENCE: TPAs THAT ARE FOUND IN  
SEATED (FINAL LOCK) POSITION)
  7. APPLICATION SPECIFICATION: AS-31067-100.

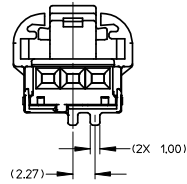
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|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--|------|--|----------------------------|-------------------|---------------------------------------------------|------------------------|---------------------------|
| ENTER DESCRIPTION<br>EC NO: UAU2008-0767<br>DRAWN BY: TACHUGA 2008/07/08<br>CHECKED BY: CHYKBOICK 2008/07/09<br>APPROVED BY: SHARCEAU 2008/07/09 | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                   |  |      |  | DIMENSION STYLE<br>MM ONLY |                   | SCALE<br>1:1                                      | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |
|                                                                                                                                                  |                               | mm                                                                                                                                      |  | INCH |  | DRAWN BY<br>SDICOK01       | DATE<br>6/22/2007 | TITLE<br>FEMALE ASSEMBLY<br>CHARTED SALES DRAWING |                        |                           |
|                                                                                                                                                  |                               | 4 PLACES ±                                                                                                                              |  | ---  |  | CHECKED BY<br>CDILLON      | DATE<br>6/22/2007 | MOLEX INCORPORATED                                |                        |                           |
|                                                                                                                                                  |                               | 3 PLACES ±                                                                                                                              |  | ---  |  | APPROVED BY                | DATE              |                                                   |                        |                           |
|                                                                                                                                                  |                               | 2 PLACES ±                                                                                                                              |  | 0.13 |  |                            |                   |                                                   |                        |                           |
| 1 PLACE ±                                                                                                                                        |                               | 0.25                                                                                                                                    |  |      |  |                            |                   |                                                   |                        |                           |
|                                                                                                                                                  |                               | ANGULAR ±1/2°                                                                                                                           |  |      |  | MATERIAL NO.               |                   | DOCUMENT NO.                                      |                        | SHEET NO.                 |
|                                                                                                                                                  |                               | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                              |  |      |  | SEE CHART                  |                   | SD-31109-003                                      |                        | 1 OF 4                    |
| REV                                                                                                                                              | DESCRIPTION                   | SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |      |  |                            |                   |                                                   |                        |                           |

# FEMALE VIEWED FROM MATING SIDE

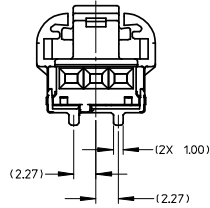
3 WAY  
POLARIZATION 'A'



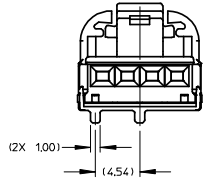
3 WAY  
POLARIZATION 'B'



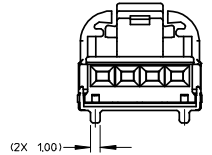
3 WAY  
POLARIZATION 'C'



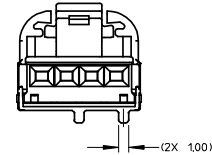
4 WAY  
POLARIZATION 'A'



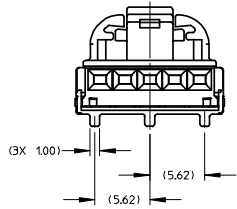
4 WAY  
POLARIZATION 'B'



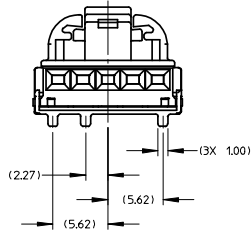
4 WAY  
POLARIZATION 'C'



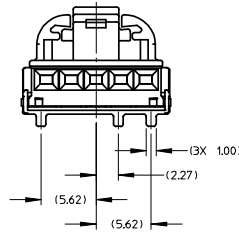
5 WAY  
POLARIZATION 'A'



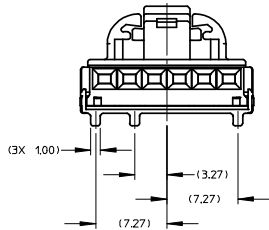
5 WAY  
POLARIZATION 'B'



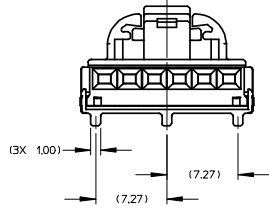
5 WAY  
POLARIZATION 'C'



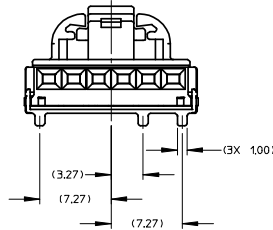
6 WAY  
POLARIZATION 'A'



6 WAY  
POLARIZATION 'B'



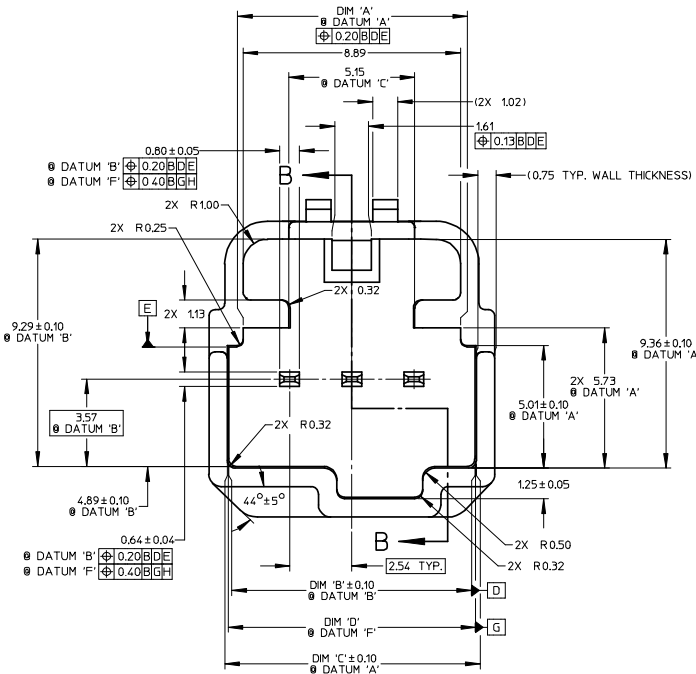
6 WAY  
POLARIZATION 'C'



| BILL OF MATERIALS    |                                        |             |                |                 |         |         | MATING ASSEMBLIES PART NUMBERS     |                                   |                                  |                               |                                  |
|----------------------|----------------------------------------|-------------|----------------|-----------------|---------|---------|------------------------------------|-----------------------------------|----------------------------------|-------------------------------|----------------------------------|
| ASSEMBLY PART NUMBER | DESCRIPTION                            | PART NUMBER | DESCRIPTION    | COLOR           | DIM 'D' | DIM 'E' | INLINE MALE ASSEMBLY W/O XMAS SLOT | INLINE MALE ASSEMBLY W/ XMAS SLOT | RIGHT ANGLE MALE HEADER ASSEMBLY | VERTICAL MALE HEADER ASSEMBLY | VERTICAL MALE WINGED HEADER ASSY |
| 31067-1010           | 3 WAY FEMALE ASSEMBLY POLARIZATION 'A' | 31111-0030  | FEMALE HOUSING | BLACK           | 9.80    | 16.76   | 31067-1040                         | 31067-1070                        | 31100-0030 NOT TOOLED            | 31101-0030 NOT TOOLED         | TBD                              |
|                      |                                        | 31113-0030  | TPA            | NATURAL (WHITE) |         |         |                                    |                                   |                                  |                               |                                  |
| 31067-1011           | 3 WAY FEMALE ASSEMBLY POLARIZATION 'B' | 31111-0031  | FEMALE HOUSING | GRAY            | 9.80    | 16.76   | 31067-1041                         | 31067-1071                        | 31100-0031 NOT TOOLED            | 31101-0031 NOT TOOLED         | TBD                              |
|                      |                                        | 31113-0030  | TPA            | NATURAL (WHITE) |         |         |                                    |                                   |                                  |                               |                                  |
| 31067-1012           | 3 WAY FEMALE ASSEMBLY POLARIZATION 'C' | 31111-0032  | FEMALE HOUSING | BROWN           | 9.80    | 16.76   | 31067-1042                         | 31067-1072                        | 31100-0032 NOT TOOLED            | 31101-0032 NOT TOOLED         | TBD                              |
|                      |                                        | 31113-0030  | TPA            | NATURAL (WHITE) |         |         |                                    |                                   |                                  |                               |                                  |
| 31068-1010           | 4 WAY FEMALE ASSEMBLY POLARIZATION 'A' | 31157-0040  | FEMALE HOUSING | BLACK           | 12.34   | 18.25   | 31068-1040                         | 31068-1070                        | 31100-0040                       | 31101-0040                    | 31101-1140                       |
|                      |                                        | 31158-0040  | TPA            | NATURAL (WHITE) |         |         |                                    |                                   |                                  |                               |                                  |
| 31068-1011           | 4 WAY FEMALE ASSEMBLY POLARIZATION 'B' | 31157-0041  | FEMALE HOUSING | GRAY            | 12.34   | 18.25   | 31068-1041                         | 31068-1071                        | 31100-0041                       | 31101-0041                    | 31101-1240                       |
|                      |                                        | 31158-0040  | TPA            | NATURAL (WHITE) |         |         |                                    |                                   |                                  |                               |                                  |
| 31068-1012           | 4 WAY FEMALE ASSEMBLY POLARIZATION 'C' | 31157-0042  | FEMALE HOUSING | BROWN           | 12.34   | 18.25   | 31068-1042                         | 31068-1072                        | 31100-0042                       | 31101-0042                    | 31101-1340                       |
|                      |                                        | 31158-0040  | TPA            | NATURAL (WHITE) |         |         |                                    |                                   |                                  |                               |                                  |
| 31072-1010           | 5 WAY FEMALE ASSEMBLY POLARIZATION 'A' | 31160-0050  | FEMALE HOUSING | BLACK           | 14.88   | 20.25   | 31072-1040                         | 31072-1070                        | 31100-0050 NOT TOOLED            | 31101-0050 NOT TOOLED         | TBD                              |
|                      |                                        | 31161-0050  | TPA            | NATURAL (WHITE) |         |         |                                    |                                   |                                  |                               |                                  |
| 31072-1011           | 5 WAY FEMALE ASSEMBLY POLARIZATION 'B' | 31160-0051  | FEMALE HOUSING | GRAY            | 14.88   | 20.25   | 31072-1041                         | 31072-1071                        | 31100-0051 NOT TOOLED            | 31101-0051 NOT TOOLED         | TBD                              |
|                      |                                        | 31161-0050  | TPA            | NATURAL (WHITE) |         |         |                                    |                                   |                                  |                               |                                  |
| 31072-1012           | 5 WAY FEMALE ASSEMBLY POLARIZATION 'C' | 31160-0052  | FEMALE HOUSING | BROWN           | 14.88   | 20.25   | 31072-1042                         | 31072-1072                        | 31100-0052 NOT TOOLED            | 31101-0052 NOT TOOLED         | TBD                              |
|                      |                                        | 31161-0050  | TPA            | NATURAL (WHITE) |         |         |                                    |                                   |                                  |                               |                                  |
| 31073-1010           | 6 WAY FEMALE ASSEMBLY POLARIZATION 'A' | 31163-0060  | FEMALE HOUSING | BLACK           | 17.42   | 22.75   | 31073-1040                         | 31073-1070                        | 31100-0060 NOT TOOLED            | 31101-0060 NOT TOOLED         | TBD                              |
|                      |                                        | 31164-0060  | TPA            | NATURAL (WHITE) |         |         |                                    |                                   |                                  |                               |                                  |
| 31073-1011           | 6 WAY FEMALE ASSEMBLY POLARIZATION 'B' | 31163-0061  | FEMALE HOUSING | GRAY            | 17.42   | 22.75   | 31073-1041                         | 31073-1071                        | 31100-0061 NOT TOOLED            | 31101-0061 NOT TOOLED         | TBD                              |
|                      |                                        | 31164-0060  | TPA            | NATURAL (WHITE) |         |         |                                    |                                   |                                  |                               |                                  |
| 31073-1012           | 6 WAY FEMALE ASSEMBLY POLARIZATION 'C' | 31163-0062  | FEMALE HOUSING | BROWN           | 17.42   | 22.75   | 31073-1042                         | 31073-1072                        | 31100-0062 NOT TOOLED            | 31101-0062 NOT TOOLED         | TBD                              |
|                      |                                        | 31164-0060  | TPA            | NATURAL (WHITE) |         |         |                                    |                                   |                                  |                               |                                  |

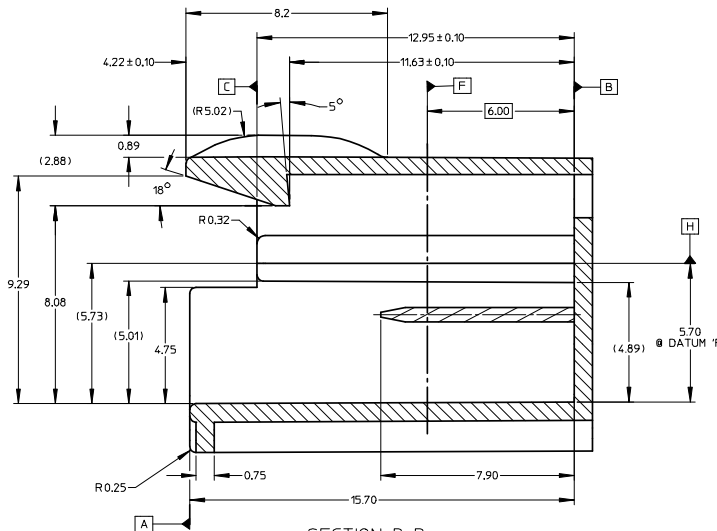
| <b>ENTER DESCRIPTION</b><br>IEC NO: UAU2008-0767<br>DRAWN BY: CHYKBOICK<br>CHECKED BY: CHYKBOICK<br>APPR: SHARCAU<br>DATE: 2008/07/08<br>DATE: 2008/07/09 |      | <b>QUALITY SYMBOLS</b><br>=0<br>=0 | <b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b><br><table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES ±</td> <td>---</td> <td>---</td> </tr> <tr> <td>3 PLACES ±</td> <td>---</td> <td>---</td> </tr> <tr> <td>2 PLACES ±</td> <td>0.13</td> <td>---</td> </tr> <tr> <td>1 PLACE ±</td> <td>0.25</td> <td>---</td> </tr> </table> ANGULAR ±1/2° |                                  | mm                           | INCH                | 4 PLACES ± | --- | --- | 3 PLACES ± | --- | --- | 2 PLACES ± | 0.13 | --- | 1 PLACE ± | 0.25 | --- | <b>DIMENSION STYLE</b><br>MM ONLY | <b>SCALE</b><br>1:1 | <b>DESIGN UNITS</b><br>METRIC | <b>THIRD ANGLE PROJECTION</b> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------|---------------------|------------|-----|-----|------------|-----|-----|------------|------|-----|-----------|------|-----|-----------------------------------|---------------------|-------------------------------|-------------------------------|
|                                                                                                                                                           | mm   | INCH                               |                                                                                                                                                                                                                                                                                                                                                                               |                                  |                              |                     |            |     |     |            |     |     |            |      |     |           |      |     |                                   |                     |                               |                               |
| 4 PLACES ±                                                                                                                                                | ---  | ---                                |                                                                                                                                                                                                                                                                                                                                                                               |                                  |                              |                     |            |     |     |            |     |     |            |      |     |           |      |     |                                   |                     |                               |                               |
| 3 PLACES ±                                                                                                                                                | ---  | ---                                |                                                                                                                                                                                                                                                                                                                                                                               |                                  |                              |                     |            |     |     |            |     |     |            |      |     |           |      |     |                                   |                     |                               |                               |
| 2 PLACES ±                                                                                                                                                | 0.13 | ---                                |                                                                                                                                                                                                                                                                                                                                                                               |                                  |                              |                     |            |     |     |            |     |     |            |      |     |           |      |     |                                   |                     |                               |                               |
| 1 PLACE ±                                                                                                                                                 | 0.25 | ---                                |                                                                                                                                                                                                                                                                                                                                                                               |                                  |                              |                     |            |     |     |            |     |     |            |      |     |           |      |     |                                   |                     |                               |                               |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                                      |      |                                    | DRAWN BY: BDICK01<br>DATE: 6/22/2007<br>CHECKED BY: CDILLON<br>DATE: 6/22/2007<br>APPROVED BY:                                                                                                                                                                                                                                                                                | MATERIAL NO.<br><b>SEE CHART</b> | DOCUMENT NO.<br>SD-31109-003 | SHEET NO.<br>2 OF 4 |            |     |     |            |     |     |            |      |     |           |      |     |                                   |                     |                               |                               |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION                             |      |                                    |                                                                                                                                                                                                                                                                                                                                                                               |                                  |                              |                     |            |     |     |            |     |     |            |      |     |           |      |     |                                   |                     |                               |                               |

# REFERENCE ONLY

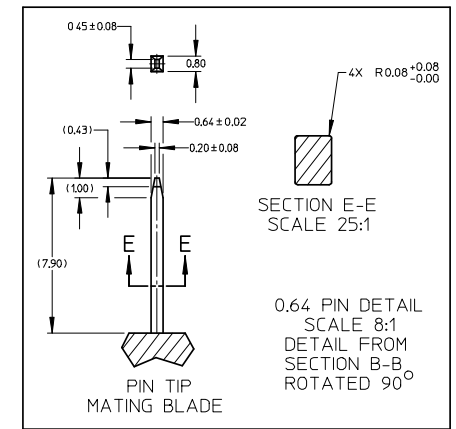


MATING INTERFACE DETAIL  
SCALE 10:1

RECOMMENDED MATING MATERIAL: SPS, 30% GLASS FILLED.



SECTION B-B  
SCALE 10:1



RECOMMENDED DIRECT CONNECT INFO  
FOR MATING FEMALE PARTS ONLY

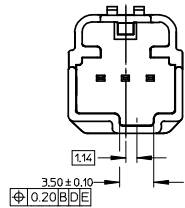
DIMENSIONS FOR DIRECT CONNECT

| CIRCUIT SIZE | DIM 'A' | DIM 'B' | DIM 'C' | DIM 'D' |
|--------------|---------|---------|---------|---------|
| 3            | 8.89    | 10.05   | 10.19   | 10.11   |
| 4            | 11.20   | 12.59   | 12.73   | 12.65   |
| 5            | 13.74   | 15.13   | 15.27   | 15.19   |
| 6            | 16.28   | 17.67   | 17.81   | 17.73   |

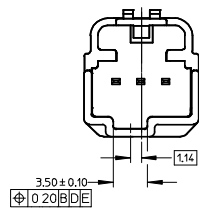
|                                                                                                              |                                                            |                                                                                                                                  |                                  |                                                    |                     |              |                                                   |
|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------|---------------------|--------------|---------------------------------------------------|
| ENTER DESCRIPTION<br>IEC NO: UAU2008-0767<br>DRAWN BY: TACHIGA<br>CHYK080109<br>APPR: SHARCEAU<br>2008/07/09 | QUALITY SYMBOLS                                            | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                            |                                  | DIMENSION STYLE                                    | SCALE               | DESIGN UNITS | THIRD ANGLE PROJECTION                            |
|                                                                                                              | $\nabla=0$<br>$\nabla=0$                                   | 4 PLACES $\pm$ --- $\pm$ ---<br>3 PLACES $\pm$ --- $\pm$ ---<br>2 PLACES $\pm 0.13$ $\pm$ ---<br>1 PLACE $\pm 0.25$ $\pm$ ---    | mm<br>INCH                       | MM ONLY<br>DATE<br>6/22/2007                       | 1:1                 | METRIC       | TITLE<br>FEMALE ASSEMBLY<br>CHARTED SALES DRAWING |
|                                                                                                              | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS | MATERIAL NO.<br>SEE CHART                                                                                                        | APPROVED BY<br>DATE<br>6/22/2007 | MOLEX INCORPORATED<br>DOCUMENT NO.<br>SD-31109-003 | SHEET NO.<br>3 OF 4 |              |                                                   |
|                                                                                                              | SIZE<br>D                                                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                  |                                                    |                     |              |                                                   |

# REFERENCE ONLY

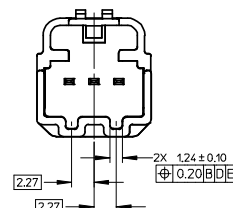
3 WAY  
POLARIZATION "A"



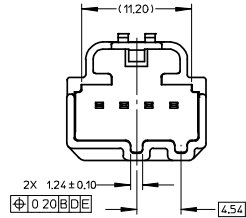
3 WAY  
POLARIZATION "B"



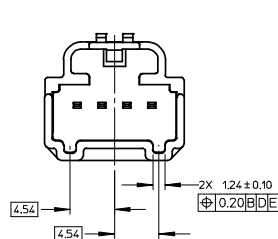
3 WAY  
POLARIZATION "C"



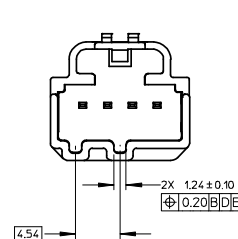
4 WAY  
POLARIZATION "A"



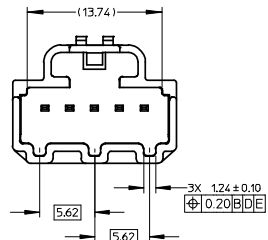
4 WAY  
POLARIZATION "B"



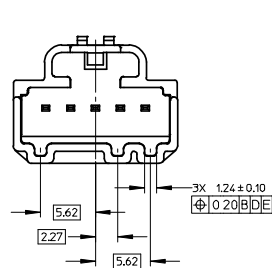
4 WAY  
POLARIZATION "C"



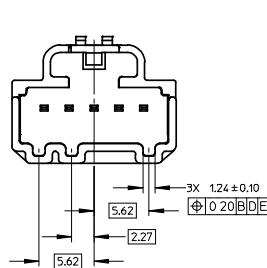
5 WAY  
POLARIZATION "A"



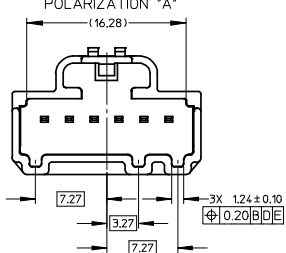
5 WAY  
POLARIZATION "B"



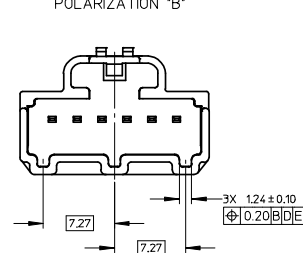
5 WAY  
POLARIZATION "C"



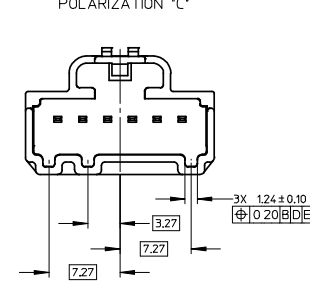
6 WAY  
POLARIZATION "A"



6 WAY  
POLARIZATION "B"



6 WAY  
POLARIZATION "C"



| <div>ENTER DESCRIPTION</div> <div>EC NO. 1442008-0767</div> <div>DRAWN: TMACHIGA 2008/07/08</div> <div>CHKD: BDICK 2008/07/09</div> <div>APPR: SMARCEAU 2008/07/09</div> <div>REV</div> <div>G1</div> |      | <div>QUALITY SYMBOLS</div> <div>▽=0</div> <div>▽=0</div>                                                                                                                       | <div>GENERAL TOLERANCES (UNLESS SPECIFIED)</div> <table><thead><tr><th></th><th>mm</th><th>INCH</th></tr></thead><tbody><tr><td>4 PLACES ±</td><td>---</td><td>---</td></tr><tr><td>3 PLACES ±</td><td>---</td><td>---</td></tr><tr><td>2 PLACES ±</td><td>0.13</td><td>---</td></tr><tr><td>1 PLACE ±</td><td>0.25</td><td>---</td></tr></tbody></table> <div>ANGULAR ±1/2°</div> |  | mm | INCH | 4 PLACES ± | --- | --- | 3 PLACES ± | --- | --- | 2 PLACES ± | 0.13 | --- | 1 PLACE ± | 0.25 | --- | <div>DIMENSION STYLE</div> <div>MM ONLY</div> <div>DRAWN BY</div> <div>BDICK01</div> <div>DATE</div> <div>6/22/2007</div> <div>CHECKED BY</div> <div>CDILLON</div> <div>DATE</div> <div>6/22/2007</div> <div>APPROVED BY</div> <div>DATE</div> | <div>SCALE</div> <div>4:1</div> <div>DESIGN UNITS</div> <div>METRIC</div> <div>THIRD ANGLE PROJECTION</div> <div>TITLE</div> <div>FEMALE ASSEMBLY</div> <div>CHARTED SALES DRAWING</div> | <div><div><div></div></div><div>MOLEX</div></div> <div>MOLEX INCORPORATED</div> | <div>SHEET NO.</div> <div>4 OF 4</div> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----|------|------------|-----|-----|------------|-----|-----|------------|------|-----|-----------|------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------|
|                                                                                                                                                                                                       | mm   | INCH                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                    |  |    |      |            |     |     |            |     |     |            |      |     |           |      |     |                                                                                                                                                                                                                                                |                                                                                                                                                                                          |                                                                                 |                                        |
| 4 PLACES ±                                                                                                                                                                                            | ---  | ---                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                    |  |    |      |            |     |     |            |     |     |            |      |     |           |      |     |                                                                                                                                                                                                                                                |                                                                                                                                                                                          |                                                                                 |                                        |
| 3 PLACES ±                                                                                                                                                                                            | ---  | ---                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                    |  |    |      |            |     |     |            |     |     |            |      |     |           |      |     |                                                                                                                                                                                                                                                |                                                                                                                                                                                          |                                                                                 |                                        |
| 2 PLACES ±                                                                                                                                                                                            | 0.13 | ---                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                    |  |    |      |            |     |     |            |     |     |            |      |     |           |      |     |                                                                                                                                                                                                                                                |                                                                                                                                                                                          |                                                                                 |                                        |
| 1 PLACE ±                                                                                                                                                                                             | 0.25 | ---                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                    |  |    |      |            |     |     |            |     |     |            |      |     |           |      |     |                                                                                                                                                                                                                                                |                                                                                                                                                                                          |                                                                                 |                                        |
| <div>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</div>                                                                                                                                       |      | <div><div>SIZE</div><div>D</div><div>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</div></div> |                                                                                                                                                                                                                                                                                                                                                                                    |  |    |      |            |     |     |            |     |     |            |      |     |           |      |     |                                                                                                                                                                                                                                                |                                                                                                                                                                                          |                                                                                 |                                        |