

10 9 8 7 6 5 4 3 2 1

F

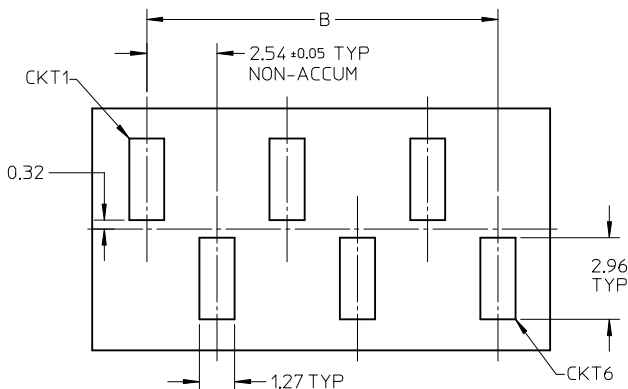
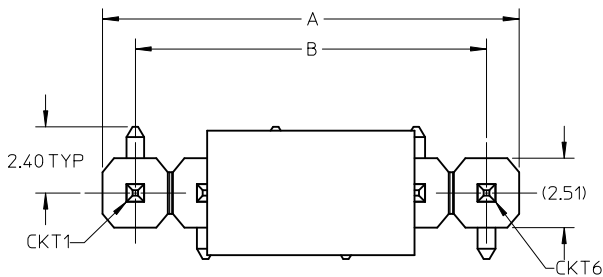
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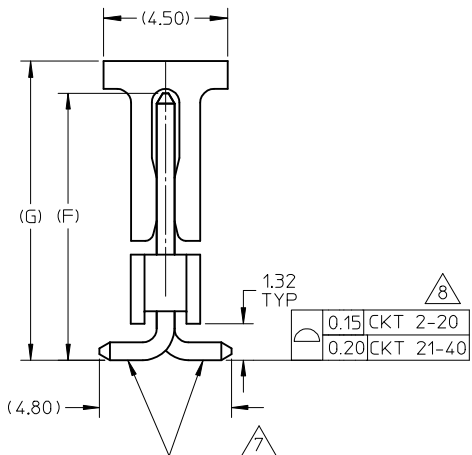
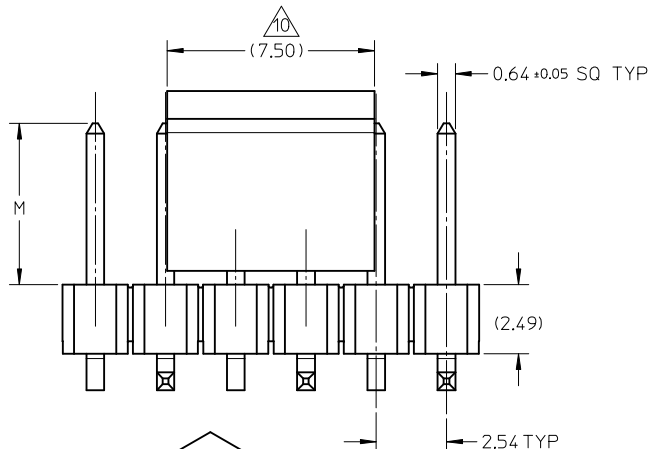
C

B

A



### RECOMMENDED PCB LAYOUT: COMPONENT SIDE



#### NOTES:

##### 1. MATERIAL:

HSG: NYLON, GLASS-FILLED, UL94V-0, COLOR: BLACK  
CAP: NYLON, GLASS-FILLED, UL94V-0, COLOR: BLACK  
PIN: 0.64MM SQ, COPPER ALLOY

##### 2. PLATING TYPE:

- (1) GOLD FLASH OVER  
1.25µm MIN. NICKEL OVERALL.
- (2) GOLD FLASH ON CONTACT AND  
2.50µm MIN. TIN ON SOLDER TAIL OVER  
1.25µm MIN. NICKEL OVERALL.
- (4) 0.38µm MIN. GOLD PLATE ON CONTACT AND  
2.00µm MIN. TIN ON SOLDER TAIL OVER  
1.25µm MIN. NICKEL OVERALL.
- (5) 0.75µm MIN. GOLD PLATE ON CONTACT AND  
2.00µm MIN. TIN ON SOLDER TAIL OVER  
1.25µm MIN. NICKEL OVERALL.
- (6) 2.50µm MIN. TIN OVERALL  
1.25µm MIN. NICKEL OVERALL

##### 3. PRODUCT SPECIFICATION: PS-87920-019

##### 4. PACKAGING TYPE: SEE TABLE

##### 5. PACKAGING SPEC:

TUBE WITH CAP VERSION: PK-89990-558  
TUBE W/O CAP VERSION: PK-89990-545  
EMBOSS TAPE WITH CAP: PK-89990-486

##### 6. WAFER TO BE FLAT WITHIN 0.003 mm/mm

- △ BEND DEPRESSION IS ACCEPTED SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY OF TAIL
- △ COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A FLAT SURFACE
- △ IRREGULAR CIRCUIT CUTOFF WITHIN BREAKAWAY SECTION IS PERMISSIBLE. CUTTING OR CHIPPING OF THE MAIN BODY IS NOT ACCEPTABLE
- △ CAP LOCATION IS CENTERED ALONG THE MATING ENDS AS SHOWN. TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK & PLACE BY VACUUM SUCTION NOZZLE
11. RECOMMENDED PCB THICKNESS IS 1.60mm±0.10
12. THE ABOVE CKT 6 IS FOR ILLUSTRATION PURPOSE ONLY
13. TUBE LENGTH AS PER STANDARD 560mm

F

E

D

C

B

A

9 8 7 6 5 4 3 2 1

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|    | 10                        | 9                | 8                   | 7                | 6                          | 5                       | 4           | 3                | 2               | 1         |      |       |      |      |  |
|    | PACKAGING OPTION PART NO. |                  |                     |                  |                            |                         | CKT<br>SIZE | VOID<br>POSITION | PLATING<br>TYPE | DIMENSION |      |       |      |      |  |
|    | TRAY<br>WITHOUT CAP       | TRAY<br>WITH CAP | TUBE<br>WITHOUT CAP | TUBE<br>WITH CAP | TAPE & REEL<br>WITHOUT CAP | TAPE & REEL<br>WITH CAP |             |                  |                 | A         | B    | G     | F    | M    |  |
|    | 87898-0204                | -----            | -----               | -----            | -----                      | 87898-0214              | 2           | -----            | 4               | 5.08      | 2.54 | 10.81 | 9.65 | 5.84 |  |
|    | 87898-0207                | -----            | -----               | -----            | -----                      | -----                   | 2           | -----            | 5               | 5.08      | 2.54 | 10.81 | 9.65 | 5.84 |  |
|    | -----                     | -----            | -----               | 87898-0208       | -----                      | 87898-0209              | 2           | -----            | 6               | 5.08      | 2.54 | 10.81 | 9.65 | 5.84 |  |
|    | 87898-0301                | -----            | -----               | -----            | -----                      | -----                   | 3           | -----            | 1               | 7.62      | 5.08 | 10.81 | 9.65 | 5.84 |  |
|    | 87898-0302                | -----            | -----               | -----            | -----                      | -----                   | 3           | -----            | 2               | 7.62      | 5.08 | 10.81 | 9.65 | 5.84 |  |
|    | 87898-0304                | -----            | -----               | -----            | -----                      | 87898-0314              | 3           | -----            | 4               | 7.62      | 5.08 | 10.81 | 9.65 | 5.84 |  |
|    | 87898-0305                | -----            | -----               | -----            | -----                      | 87898-0315              | 3           | -----            | 5               | 7.62      | 5.08 | 10.81 | 9.65 | 5.84 |  |
|    | 87898-0306                | -----            | -----               | -----            | -----                      | 87898-0316              | 3           | -----            | 6               | 7.62      | 5.08 | 10.81 | 9.65 | 5.84 |  |
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|                                                                                                                            |                           |                    |                     |                                |                            |                                                                                                                                                                                                                                   |             |                                                                                                                                                                   |                 |                                                                                                                                                                                                          |       |                                                                                                                                  |      |      |  |
|----------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------|---------------------|--------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------|------|------|--|
|                                                                                                                            | 10                        | 9                  | 8                   | 7                              | 6                          | 5                                                                                                                                                                                                                                 | 4           | 3                                                                                                                                                                 | 2               | 1                                                                                                                                                                                                        |       |                                                                                                                                  |      |      |  |
| F                                                                                                                          | PACKAGING OPTION PART NO. |                    |                     |                                |                            |                                                                                                                                                                                                                                   | CKT<br>SIZE | VOID<br>POSITION                                                                                                                                                  | PLATING<br>TYPE | DIMENSION                                                                                                                                                                                                |       |                                                                                                                                  |      |      |  |
|                                                                                                                            | TRAY<br>WITHOUT CAP       | TRAY<br>WITH CAP   | TUBE<br>WITHOUT CAP | TUBE<br>WITH CAP               | TAPE & REEL<br>WITHOUT CAP | TAPE & REEL<br>WITH CAP                                                                                                                                                                                                           |             |                                                                                                                                                                   |                 | A                                                                                                                                                                                                        | B     | G                                                                                                                                | F    | M    |  |
|                                                                                                                            | -----                     | -----              | 87898-0721          | 87898-0731                     | -----                      | 87898-0751                                                                                                                                                                                                                        | 7           | -----                                                                                                                                                             | 1               | 17.78                                                                                                                                                                                                    | 15.24 | 10.81                                                                                                                            | 9.65 | 5.84 |  |
|                                                                                                                            | -----                     | -----              | 87898-0722          | 87898-0732                     | -----                      | 87898-0752                                                                                                                                                                                                                        | 7           | -----                                                                                                                                                             | 2               | 17.78                                                                                                                                                                                                    | 15.24 | 10.81                                                                                                                            | 9.65 | 5.84 |  |
| -----                                                                                                                      | -----                     | 87898-0724         | 87898-0734          | -----                          | 87898-0754                 | 7                                                                                                                                                                                                                                 | -----       | 4                                                                                                                                                                 | 17.78           | 15.24                                                                                                                                                                                                    | 10.81 | 9.65                                                                                                                             | 5.84 |      |  |
| -----                                                                                                                      | -----                     | 87898-0725         | 87898-0735          | -----                          | 87898-0755                 | 7                                                                                                                                                                                                                                 | -----       | 5                                                                                                                                                                 | 17.78           | 15.24                                                                                                                                                                                                    | 10.81 | 9.65                                                                                                                             | 5.84 |      |  |
| -----                                                                                                                      | -----                     | 87898-0726         | 87898-0736          | -----                          | 87898-0756                 | 7                                                                                                                                                                                                                                 | -----       | 6                                                                                                                                                                 | 17.78           | 15.24                                                                                                                                                                                                    | 10.81 | 9.65                                                                                                                             | 5.84 |      |  |
| E                                                                                                                          |                           |                    |                     |                                |                            |                                                                                                                                                                                                                                   |             |                                                                                                                                                                   |                 |                                                                                                                                                                                                          |       |                                                                                                                                  |      |      |  |
|                                                                                                                            |                           |                    |                     |                                |                            |                                                                                                                                                                                                                                   |             |                                                                                                                                                                   |                 |                                                                                                                                                                                                          |       |                                                                                                                                  |      |      |  |
|                                                                                                                            | -----                     | -----              | 87898-0821          | 87898-0831                     | -----                      | 87898-0851                                                                                                                                                                                                                        | 8           | -----                                                                                                                                                             | 1               | 20.32                                                                                                                                                                                                    | 17.78 | 10.81                                                                                                                            | 9.65 | 5.84 |  |
| -----                                                                                                                      | -----                     | 87898-0822         | 87898-0832          | -----                          | 87898-0852                 | 8                                                                                                                                                                                                                                 | -----       | 2                                                                                                                                                                 | 20.32           | 17.78                                                                                                                                                                                                    | 10.81 | 9.65                                                                                                                             | 5.84 |      |  |
| D                                                                                                                          | -----                     | -----              | 87898-0824          | 87898-0834                     | -----                      | 87898-0854                                                                                                                                                                                                                        | 8           | -----                                                                                                                                                             | 4               | 20.32                                                                                                                                                                                                    | 17.78 | 10.81                                                                                                                            | 9.65 | 5.84 |  |
|                                                                                                                            | -----                     | -----              | 87898-0825          | 87898-0835                     | -----                      | 87898-0855                                                                                                                                                                                                                        | 8           | -----                                                                                                                                                             | 5               | 20.32                                                                                                                                                                                                    | 17.78 | 10.81                                                                                                                            | 9.65 | 5.84 |  |
|                                                                                                                            | -----                     | -----              | 87898-0826          | 87898-0836                     | -----                      | 87898-0856                                                                                                                                                                                                                        | 8           | -----                                                                                                                                                             | 6               | 20.32                                                                                                                                                                                                    | 17.78 | 10.81                                                                                                                            | 9.65 | 5.84 |  |
|                                                                                                                            |                           |                    |                     |                                |                            |                                                                                                                                                                                                                                   |             |                                                                                                                                                                   |                 |                                                                                                                                                                                                          |       |                                                                                                                                  |      |      |  |
|                                                                                                                            |                           |                    |                     |                                |                            |                                                                                                                                                                                                                                   |             |                                                                                                                                                                   |                 |                                                                                                                                                                                                          |       |                                                                                                                                  |      |      |  |
|                                                                                                                            | -----                     | -----              | 87898-0921          | 87898-0931                     | -----                      | 87898-0951                                                                                                                                                                                                                        | 9           | -----                                                                                                                                                             | 1               | 22.86                                                                                                                                                                                                    | 20.32 | 10.81                                                                                                                            | 9.65 | 5.84 |  |
|                                                                                                                            | -----                     | -----              | 87898-0922          | 87898-0932                     | -----                      | 87898-0952                                                                                                                                                                                                                        | 9           | -----                                                                                                                                                             | 2               | 22.86                                                                                                                                                                                                    | 20.32 | 10.81                                                                                                                            | 9.65 | 5.84 |  |
| C                                                                                                                          | -----                     | -----              | 87898-0924          | 87898-0934                     | -----                      | 87898-0954                                                                                                                                                                                                                        | 9           | -----                                                                                                                                                             | 4               | 22.86                                                                                                                                                                                                    | 20.32 | 10.81                                                                                                                            | 9.65 | 5.84 |  |
|                                                                                                                            | -----                     | -----              | 87898-0925          | 87898-0935                     | -----                      | 87898-0955                                                                                                                                                                                                                        | 9           | -----                                                                                                                                                             | 5               | 22.86                                                                                                                                                                                                    | 20.32 | 10.81                                                                                                                            | 9.65 | 5.84 |  |
|                                                                                                                            | -----                     | -----              | 87898-0926          | 87898-0936                     | -----                      | 87898-0956                                                                                                                                                                                                                        | 9           | -----                                                                                                                                                             | 6               | 22.86                                                                                                                                                                                                    | 20.32 | 10.81                                                                                                                            | 9.65 | 5.84 |  |
|                                                                                                                            |                           |                    |                     |                                |                            |                                                                                                                                                                                                                                   |             |                                                                                                                                                                   |                 |                                                                                                                                                                                                          |       |                                                                                                                                  |      |      |  |
| B                                                                                                                          |                           |                    |                     |                                |                            |                                                                                                                                                                                                                                   |             |                                                                                                                                                                   |                 |                                                                                                                                                                                                          |       |                                                                                                                                  |      |      |  |
|                                                                                                                            |                           |                    |                     |                                |                            |                                                                                                                                                                                                                                   |             |                                                                                                                                                                   |                 |                                                                                                                                                                                                          |       |                                                                                                                                  |      |      |  |
| A                                                                                                                          |                           |                    |                     |                                |                            |                                                                                                                                                                                                                                   |             |                                                                                                                                                                   |                 |                                                                                                                                                                                                          |       |                                                                                                                                  |      |      |  |
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| fb_frame_A3_P_AM_T<br>Rev. F 2009/06/18                                                                                    |                           | 9                  | 8                   | 7                              | 6                          | 5                                                                                                                                                                                                                                 | 4           | 3                                                                                                                                                                 | 2               | 1                                                                                                                                                                                                        |       |                                                                                                                                  |      |      |  |
| SHT2+87898-0315<br>EC NO: S2014-0976<br>DRWN:ATSEE 2014/04/14<br>CHKD:FANNYWONG 2014/04/14<br>APPR:LBLEE 2014/09/11<br>B12 |                           | DESCRIPTION<br>REV |                     | QUALITY<br>SYMBOLS<br><br><br> |                            | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.2 ± ---<br>1 PLACE ± --- ± ---<br>ANGULAR ± 3 °<br>DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |             | DIMENSION STYLE<br>MM ONLY<br>DRAWN BY DATE YLQIAO 2005/03/14<br>CHECKED BY DATE PTLIM 2005/03/29<br>APPROVED BY DATE MLONG 2010/10/04<br>MATERIAL NO.<br>SIZE A3 |                 | SCALE<br>NTS<br>DESIGN UNITS<br>METRIC<br>THIRD ANGLE<br>PROJECTION<br>CUSTOM HEADER<br>2.54MM PITCH SINGLE ROW<br>SINGLE WAFER SMT HEADER<br>MOLEX INCORPORATED<br>SD-87898-001<br>SHEET NO.<br>4 OF 20 |       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |      |      |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                           |                    |                                          |                  |                                                                                                                                  |                         |                    |                                                                                                    |                           |           |       |       |      |      |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10                        | 9                  | 8                                        | 7                | 6                                                                                                                                | 5                       | 4                  | 3                                                                                                  | 2                         | 1         |       |       |      |      |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PACKAGING OPTION PART NO. |                    |                                          |                  |                                                                                                                                  |                         | CKT<br>SIZE        | VOID<br>POSITION                                                                                   | PLATING<br>TYPE           | DIMENSION |       |       |      |      |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
| F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | TRAY<br>WITHOUT CAP       | TRAY<br>WITH CAP   | TUBE<br>WITHOUT CAP                      | TUBE<br>WITH CAP | TAPE & REEL<br>WITHOUT CAP                                                                                                       | TAPE & REEL<br>WITH CAP |                    |                                                                                                    |                           | A         | B     | G     | F    | M    |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -----                     | -----              | 87898-1021                               | 87898-1031       | -----                                                                                                                            | 87898-1051              | 10                 | -----                                                                                              | 1                         | 25.40     | 22.86 | 10.81 | 9.65 | 5.84 |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -----                     | -----              | 87898-1022                               | 87898-1032       | -----                                                                                                                            | 87898-1052              | 10                 | -----                                                                                              | 2                         | 25.40     | 22.86 | 10.81 | 9.65 | 5.84 |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -----                     | -----              | 87898-1024                               | 87898-1034       | -----                                                                                                                            | 87898-1054              | 10                 | -----                                                                                              | 4                         | 25.40     | 22.86 | 10.81 | 9.65 | 5.84 |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -----                     | -----              | 87898-1025                               | 87898-1035       | -----                                                                                                                            | 87898-1055              | 10                 | -----                                                                                              | 5                         | 25.40     | 22.86 | 10.81 | 9.65 | 5.84 |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -----                     | -----              | 87898-1026                               | 87898-1036       | -----                                                                                                                            | 87898-1056              | 10                 | -----                                                                                              | 6                         | 25.40     | 22.86 | 10.81 | 9.65 | 5.84 |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
| E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                           |                    |                                          |                  |                                                                                                                                  |                         |                    |                                                                                                    |                           |           |       |       |      |      |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -----                     | -----              | 87898-1121                               | 87898-1131       | -----                                                                                                                            | 87898-1151              | 11                 | -----                                                                                              | 1                         | 27.94     | 25.40 | 10.81 | 9.65 | 5.84 |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -----                     | -----              | 87898-1122                               | 87898-1132       | -----                                                                                                                            | 87898-1152              | 11                 | -----                                                                                              | 2                         | 27.94     | 25.40 | 10.81 | 9.65 | 5.84 |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -----                     | -----              | 87898-1124                               | 87898-1134       | -----                                                                                                                            | 87898-1154              | 11                 | -----                                                                                              | 4                         | 27.94     | 25.40 | 10.81 | 9.65 | 5.84 |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -----                     | -----              | 87898-1125                               | 87898-1135       | -----                                                                                                                            | 87898-1155              | 11                 | -----                                                                                              | 5                         | 27.94     | 25.40 | 10.81 | 9.65 | 5.84 |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
| D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -----                     | -----              | 87898-1126                               | 87898-1136       | -----                                                                                                                            | 87898-1156              | 11                 | -----                                                                                              | 6                         | 27.94     | 25.40 | 10.81 | 9.65 | 5.84 |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                           |                    |                                          |                  |                                                                                                                                  |                         |                    |                                                                                                    |                           |           |       |       |      |      |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                           |                    |                                          |                  |                                                                                                                                  |                         |                    |                                                                                                    |                           |           |       |       |      |      |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -----                     | -----              | 87898-1221                               | 87898-1231       | -----                                                                                                                            | 87898-1251              | 12                 | -----                                                                                              | 1                         | 30.48     | 27.94 | 10.81 | 9.65 | 5.84 |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -----                     | -----              | 87898-1222                               | 87898-1232       | -----                                                                                                                            | 87898-1252              | 12                 | -----                                                                                              | 2                         | 30.48     | 27.94 | 10.81 | 9.65 | 5.84 |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -----                     | -----              | 87898-1224                               | 87898-1234       | -----                                                                                                                            | 87898-1254              | 12                 | -----                                                                                              | 4                         | 30.48     | 27.94 | 10.81 | 9.65 | 5.84 |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
| C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -----                     | -----              | 87898-1225                               | 87898-1235       | -----                                                                                                                            | 87898-1255              | 12                 | -----                                                                                              | 5                         | 30.48     | 27.94 | 10.81 | 9.65 | 5.84 |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -----                     | -----              | 87898-1226                               | 87898-1236       | -----                                                                                                                            | 87898-1256              | 12                 | -----                                                                                              | 6                         | 30.48     | 27.94 | 10.81 | 9.65 | 5.84 |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
| B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                           |                    |                                          |                  |                                                                                                                                  |                         |                    |                                                                                                    |                           |           |       |       |      |      |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                           |                    |                                          |                  |                                                                                                                                  |                         |                    |                                                                                                    |                           |           |       |       |      |      |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
| <table><tr><td rowspan="5">SHT2.+87898-0315<br/>EC NO: S2014-0976<br/>DRWN:ATSE 2014/04/14<br/>CHKD:FANNYWONG 2014/04/14<br/>APPR:LBLEE 2014/09/11</td><td rowspan="5">DESCRIPTION<br/>REV</td><td>QUALITY<br/>SYMBOLS</td><td colspan="2">GENERAL TOLERANCES<br/>(UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE<br/>MM ONLY</td><td>SCALE<br/>NTS</td><td>DESIGN UNITS<br/>METRIC</td><td colspan="2">THIRD ANGLE<br/>PROJECTION</td></tr><tr><td rowspan="4"><br/><br/></td><td></td><td>mm</td><td>INCH</td><td>DRAWN BY<br/>YLQIAO</td><td>DATE<br/>2005/03/14</td><td rowspan="4">TITLE<br/>CUSTOM HEADER<br/>2.54MM PITCH SINGLE ROW<br/>SINGLE WAFER SMT HEADER<br/>MOLEX INCORPORATED</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td><td>CHECKED BY<br/>PTLIM</td><td>DATE<br/>2005/03/29</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td><td>APPROVED BY<br/>MLONG</td><td>DATE<br/>2010/10/04</td></tr><tr><td>2 PLACES</td><td>± 0.2</td><td>± ---</td><td>MATERIAL NO.</td><td>DOCUMENT NO.</td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td><td colspan="2">SEE TABLE</td><td>SD-87898-001</td><td>SHEET NO.<br/>5 OF 20</td></tr><tr><td colspan="3">DRAFT WHERE APPLICABLE<br/>MUST REMAIN<br/>WITHIN DIMENSIONS</td><td colspan="2">SIZE<br/>A3</td><td colspan="9">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br/>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr></table> |                           |                    |                                          |                  |                                                                                                                                  |                         |                    |                                                                                                    |                           |           |       |       |      |      | SHT2.+87898-0315<br>EC NO: S2014-0976<br>DRWN:ATSE 2014/04/14<br>CHKD:FANNYWONG 2014/04/14<br>APPR:LBLEE 2014/09/11 | DESCRIPTION<br>REV | QUALITY<br>SYMBOLS | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  | <br><br> |  | mm | INCH | DRAWN BY<br>YLQIAO | DATE<br>2005/03/14 | TITLE<br>CUSTOM HEADER<br>2.54MM PITCH SINGLE ROW<br>SINGLE WAFER SMT HEADER<br>MOLEX INCORPORATED | 4 PLACES | ± --- | ± --- | CHECKED BY<br>PTLIM | DATE<br>2005/03/29 | 3 PLACES | ± --- | ± --- | APPROVED BY<br>MLONG | DATE<br>2010/10/04 | 2 PLACES | ± 0.2 | ± --- | MATERIAL NO. | DOCUMENT NO. | 1 PLACE | ± --- | ± --- | SEE TABLE |  | SD-87898-001 | SHEET NO.<br>5 OF 20 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  |  | SIZE<br>A3 |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |  |  |  |  |  |  |  |
| SHT2.+87898-0315<br>EC NO: S2014-0976<br>DRWN:ATSE 2014/04/14<br>CHKD:FANNYWONG 2014/04/14<br>APPR:LBLEE 2014/09/11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DESCRIPTION<br>REV        | QUALITY<br>SYMBOLS | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |                  | DIMENSION STYLE<br>MM ONLY                                                                                                       |                         | SCALE<br>NTS       | DESIGN UNITS<br>METRIC                                                                             | THIRD ANGLE<br>PROJECTION |           |       |       |      |      |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                           | <br><br>           |                                          | mm               | INCH                                                                                                                             | DRAWN BY<br>YLQIAO      | DATE<br>2005/03/14 | TITLE<br>CUSTOM HEADER<br>2.54MM PITCH SINGLE ROW<br>SINGLE WAFER SMT HEADER<br>MOLEX INCORPORATED |                           |           |       |       |      |      |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                           |                    | 4 PLACES                                 | ± ---            | ± ---                                                                                                                            | CHECKED BY<br>PTLIM     | DATE<br>2005/03/29 |                                                                                                    |                           |           |       |       |      |      |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                           |                    | 3 PLACES                                 | ± ---            | ± ---                                                                                                                            | APPROVED BY<br>MLONG    | DATE<br>2010/10/04 |                                                                                                    |                           |           |       |       |      |      |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                           |                    | 2 PLACES                                 | ± 0.2            | ± ---                                                                                                                            | MATERIAL NO.            | DOCUMENT NO.       |                                                                                                    |                           |           |       |       |      |      |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
| 1 PLACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ± ---                     | ± ---              | SEE TABLE                                |                  | SD-87898-001                                                                                                                     | SHEET NO.<br>5 OF 20    |                    |                                                                                                    |                           |           |       |       |      |      |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                           |                    | SIZE<br>A3                               |                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                         |                    |                                                                                                    |                           |           |       |       |      |      |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |
| fb_frame_A3_P_AM_T<br>Rev. F 2009/06/18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 9                         | 8                  | 7                                        | 6                | 5                                                                                                                                | 4                       | 3                  | 2                                                                                                  | 1                         |           |       |       |      |      |                                                                                                                     |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |              |              |         |       |       |           |  |              |                      |                                                            |  |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 10                        | 9                  | 8                                        | 7                | 6                                                                                                                                | 5                         | 4                            | 3                                                                                                          | 2                         | 1         |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
| F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PACKAGING OPTION PART NO. |                    |                                          |                  |                                                                                                                                  |                           | CKT<br>SIZE                  | VOID<br>POSITION                                                                                           | PLATING<br>TYPE           | DIMENSION |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | TRAY<br>WITHOUT CAP       | TRAY<br>WITH CAP   | TUBE<br>WITHOUT CAP                      | TUBE<br>WITH CAP | TAPE & REEL<br>WITHOUT CAP                                                                                                       | TAPE & REEL<br>WITH CAP   |                              |                                                                                                            |                           | A         | B     | G     | F    | M    |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -----                     | -----              | 87898-1621                               | 87898-1631       | -----                                                                                                                            | 87898-1651                | 16                           | -----                                                                                                      | 1                         | 40.64     | 38.10 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -----                     | -----              | 87898-1622                               | 87898-1632       | -----                                                                                                                            | 87898-1652                | 16                           | -----                                                                                                      | 2                         | 40.64     | 38.10 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -----                     | -----              | 87898-1624                               | 87898-1634       | -----                                                                                                                            | 87898-1654                | 16                           | -----                                                                                                      | 4                         | 40.64     | 38.10 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -----                     | -----              | 87898-1625                               | 87898-1635       | -----                                                                                                                            | 87898-1655                | 16                           | -----                                                                                                      | 5                         | 40.64     | 38.10 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -----                     | -----              | 87898-1626                               | 87898-1636       | -----                                                                                                                            | 87898-1656                | 16                           | -----                                                                                                      | 6                         | 40.64     | 38.10 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
| E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                           |                    |                                          |                  |                                                                                                                                  |                           |                              |                                                                                                            |                           |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |                    |                                          |                  |                                                                                                                                  |                           |                              |                                                                                                            |                           |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -----                     | -----              | 87898-1721                               | 87898-1731       | -----                                                                                                                            | 87898-1751                | 17                           | -----                                                                                                      | 1                         | 43.18     | 40.64 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -----                     | -----              | 87898-1722                               | 87898-1732       | -----                                                                                                                            | 87898-1752                | 17                           | -----                                                                                                      | 2                         | 43.18     | 40.64 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
| D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -----                     | -----              | 87898-1724                               | 87898-1734       | -----                                                                                                                            | 87898-1754                | 17                           | -----                                                                                                      | 4                         | 43.18     | 40.64 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -----                     | -----              | 87898-1725                               | 87898-1735       | -----                                                                                                                            | 87898-1755                | 17                           | -----                                                                                                      | 5                         | 43.18     | 40.64 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -----                     | -----              | 87898-1726                               | 87898-1736       | -----                                                                                                                            | 87898-1756                | 17                           | -----                                                                                                      | 6                         | 43.18     | 40.64 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |                    |                                          |                  |                                                                                                                                  |                           |                              |                                                                                                            |                           |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -----                     | -----              | 87898-1821                               | 87898-1831       | -----                                                                                                                            | 87898-1851                | 18                           | -----                                                                                                      | 1                         | 45.72     | 43.18 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -----                     | -----              | 87898-1822                               | 87898-1832       | -----                                                                                                                            | 87898-1852                | 18                           | -----                                                                                                      | 2                         | 45.72     | 43.18 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -----                     | -----              | 87898-1824                               | 87898-1834       | -----                                                                                                                            | 87898-1854                | 18                           | -----                                                                                                      | 4                         | 45.72     | 43.18 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
| C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -----                     | -----              | 87898-1825                               | 87898-1835       | -----                                                                                                                            | 87898-1855                | 18                           | -----                                                                                                      | 5                         | 45.72     | 43.18 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -----                     | -----              | 87898-1826                               | 87898-1836       | -----                                                                                                                            | 87898-1856                | 18                           | -----                                                                                                      | 6                         | 45.72     | 43.18 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
| B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                           |                    |                                          |                  |                                                                                                                                  |                           |                              |                                                                                                            |                           |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |                    |                                          |                  |                                                                                                                                  |                           |                              |                                                                                                            |                           |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |                    |                                          |                  |                                                                                                                                  |                           |                              |                                                                                                            |                           |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
| <table><tr><td rowspan="5">SHT2.+87898-0315<br/>EC NO: S2014-0976<br/>DRWN:ATSE 2014/04/14<br/>CHKD:FANNYWONG 2014/04/14<br/>APPR:LBLEE 2014/09/11<br/><br/>B12</td><td rowspan="5">DESCRIPTION<br/>REV</td><td>QUALITY<br/>SYMBOLS</td><td colspan="2">GENERAL TOLERANCES<br/>(UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE<br/>MM ONLY</td><td>SCALE<br/>NTS</td><td>DESIGN UNITS<br/>METRIC</td><td colspan="2">THIRD ANGLE<br/>PROJECTION</td></tr><tr><td rowspan="4"><br/><br/></td><td></td><td>mm</td><td>INCH</td><td>DRAWN BY<br/>YLQIAO</td><td>DATE<br/>2005/03/14</td><td rowspan="4">TITLE<br/><br/>CUSTOM HEADER<br/>2.54MM PITCH SINGLE ROW<br/>SINGLE WAFER SMT HEADER<br/><br/>MOLEX INCORPORATED</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td><td>CHECKED BY<br/>PTLIM</td><td>DATE<br/>2005/03/29</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td><td>APPROVED BY<br/>MLONG</td><td>DATE<br/>2010/10/04</td></tr><tr><td>2 PLACES</td><td>± 0.2</td><td>± ---</td><td>MATERIAL NO.<br/>SEE TABLE</td><td>DOCUMENT NO.<br/>SD-87898-001</td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td><td colspan="2">ANGULAR ± 3 °</td><td colspan="2">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br/>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr><tr><td colspan="2">DRAFT WHERE APPLICABLE<br/>MUST REMAIN<br/>WITHIN DIMENSIONS</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr></table> |                           |                    |                                          |                  |                                                                                                                                  |                           |                              |                                                                                                            |                           |           |       |       |      |      | SHT2.+87898-0315<br>EC NO: S2014-0976<br>DRWN:ATSE 2014/04/14<br>CHKD:FANNYWONG 2014/04/14<br>APPR:LBLEE 2014/09/11<br><br>B12 | DESCRIPTION<br>REV | QUALITY<br>SYMBOLS | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  | <br><br> |  | mm | INCH | DRAWN BY<br>YLQIAO | DATE<br>2005/03/14 | TITLE<br><br>CUSTOM HEADER<br>2.54MM PITCH SINGLE ROW<br>SINGLE WAFER SMT HEADER<br><br>MOLEX INCORPORATED | 4 PLACES | ± --- | ± --- | CHECKED BY<br>PTLIM | DATE<br>2005/03/29 | 3 PLACES | ± --- | ± --- | APPROVED BY<br>MLONG | DATE<br>2010/10/04 | 2 PLACES | ± 0.2 | ± --- | MATERIAL NO.<br>SEE TABLE | DOCUMENT NO.<br>SD-87898-001 | 1 PLACE | ± --- | ± --- | ANGULAR ± 3 ° |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  |  |  |  |  |  |  |  |  |
| SHT2.+87898-0315<br>EC NO: S2014-0976<br>DRWN:ATSE 2014/04/14<br>CHKD:FANNYWONG 2014/04/14<br>APPR:LBLEE 2014/09/11<br><br>B12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DESCRIPTION<br>REV        | QUALITY<br>SYMBOLS | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |                  | DIMENSION STYLE<br>MM ONLY                                                                                                       |                           | SCALE<br>NTS                 | DESIGN UNITS<br>METRIC                                                                                     | THIRD ANGLE<br>PROJECTION |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           | <br><br>           |                                          | mm               | INCH                                                                                                                             | DRAWN BY<br>YLQIAO        | DATE<br>2005/03/14           | TITLE<br><br>CUSTOM HEADER<br>2.54MM PITCH SINGLE ROW<br>SINGLE WAFER SMT HEADER<br><br>MOLEX INCORPORATED |                           |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |                    | 4 PLACES                                 | ± ---            | ± ---                                                                                                                            | CHECKED BY<br>PTLIM       | DATE<br>2005/03/29           |                                                                                                            |                           |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |                    | 3 PLACES                                 | ± ---            | ± ---                                                                                                                            | APPROVED BY<br>MLONG      | DATE<br>2010/10/04           |                                                                                                            |                           |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |                    | 2 PLACES                                 | ± 0.2            | ± ---                                                                                                                            | MATERIAL NO.<br>SEE TABLE | DOCUMENT NO.<br>SD-87898-001 |                                                                                                            |                           |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
| 1 PLACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ± ---                     | ± ---              | ANGULAR ± 3 °                            |                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                           |                              |                                                                                                            |                           |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                           |                    |                                          |                  |                                                                                                                                  |                           |                              |                                                                                                            |                           |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |
| fb_frame_A3_P_AM_T<br>Rev. F 2009/06/18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 9                         | 8                  | 7                                        | 6                | 5                                                                                                                                | 4                         | 3                            | 2                                                                                                          | 1                         |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |               |  |                                                                                                                                  |  |                                                            |  |  |  |  |  |  |  |  |  |

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 10                        | 9                | 8                                                       | 7                | 6                          | 5                                                                                                                             | 4                            | 3                                                                                                  | 2                      | 1         |       |       |      |      |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
| F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PACKAGING OPTION PART NO. |                  |                                                         |                  |                            |                                                                                                                               | CKT<br>SIZE                  | VOID<br>POSITION                                                                                   | PLATING<br>TYPE        | DIMENSION |       |       |      |      |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | TRAY<br>WITHOUT CAP       | TRAY<br>WITH CAP | TUBE<br>WITHOUT CAP                                     | TUBE<br>WITH CAP | TAPE & REEL<br>WITHOUT CAP | TAPE & REEL<br>WITH CAP                                                                                                       |                              |                                                                                                    |                        | A         | B     | G     | F    | M    |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -----                     | -----            | 87898-1921                                              | 87898-1931       | -----                      | 87898-1951                                                                                                                    | 19                           | -----                                                                                              | 1                      | 48.26     | 45.72 | 10.81 | 9.65 | 5.84 |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -----                     | -----            | 87898-1922                                              | 87898-1932       | -----                      | 87898-1952                                                                                                                    | 19                           | -----                                                                                              | 2                      | 48.26     | 45.72 | 10.81 | 9.65 | 5.84 |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -----                     | -----            | 87898-1924                                              | 87898-1934       | -----                      | 87898-1954                                                                                                                    | 19                           | -----                                                                                              | 4                      | 48.26     | 45.72 | 10.81 | 9.65 | 5.84 |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -----                     | -----            | 87898-1925                                              | 87898-1935       | -----                      | 87898-1955                                                                                                                    | 19                           | -----                                                                                              | 5                      | 48.26     | 45.72 | 10.81 | 9.65 | 5.84 |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -----                     | -----            | 87898-1926                                              | 87898-1936       | -----                      | 87898-1956                                                                                                                    | 19                           | -----                                                                                              | 6                      | 48.26     | 45.72 | 10.81 | 9.65 | 5.84 |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
| E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                           |                  |                                                         |                  |                            |                                                                                                                               |                              |                                                                                                    |                        |           |       |       |      |      |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -----                     | -----            | 87898-2021                                              | 87898-2031       | -----                      | 87898-2051                                                                                                                    | 20                           | -----                                                                                              | 1                      | 50.80     | 48.26 | 10.81 | 9.65 | 5.84 |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -----                     | -----            | 87898-2022                                              | 87898-2032       | -----                      | 87898-2052                                                                                                                    | 20                           | -----                                                                                              | 2                      | 50.80     | 48.26 | 10.81 | 9.65 | 5.84 |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -----                     | -----            | 87898-2024                                              | 87898-2034       | -----                      | 87898-2054                                                                                                                    | 20                           | -----                                                                                              | 4                      | 50.80     | 48.26 | 10.81 | 9.65 | 5.84 |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -----                     | -----            | 87898-2025                                              | 87898-2035       | -----                      | 87898-2055                                                                                                                    | 20                           | -----                                                                                              | 5                      | 50.80     | 48.26 | 10.81 | 9.65 | 5.84 |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
| D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -----                     | -----            | 87898-2026                                              | 87898-2036       | -----                      | 87898-2056                                                                                                                    | 20                           | -----                                                                                              | 6                      | 50.80     | 48.26 | 10.81 | 9.65 | 5.84 |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                           |                  |                                                         |                  |                            |                                                                                                                               |                              |                                                                                                    |                        |           |       |       |      |      |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -----                     | -----            | 87898-2121                                              | 87898-2131       | -----                      | 87898-2151                                                                                                                    | 21                           | -----                                                                                              | 1                      | 53.34     | 50.80 | 10.81 | 9.65 | 5.84 |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -----                     | -----            | 87898-2122                                              | 87898-2132       | -----                      | 87898-2152                                                                                                                    | 21                           | -----                                                                                              | 2                      | 53.34     | 50.80 | 10.81 | 9.65 | 5.84 |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -----                     | -----            | 87898-2124                                              | 87898-2134       | -----                      | 87898-2154                                                                                                                    | 21                           | -----                                                                                              | 4                      | 53.34     | 50.80 | 10.81 | 9.65 | 5.84 |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
| C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -----                     | -----            | 87898-2125                                              | 87898-2135       | -----                      | 87898-2155                                                                                                                    | 21                           | -----                                                                                              | 5                      | 53.34     | 50.80 | 10.81 | 9.65 | 5.84 |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -----                     | -----            | 87898-2126                                              | 87898-2136       | -----                      | 87898-2156                                                                                                                    | 21                           | -----                                                                                              | 6                      | 53.34     | 50.80 | 10.81 | 9.65 | 5.84 |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
| B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                           |                  |                                                         |                  |                            |                                                                                                                               |                              |                                                                                                    |                        |           |       |       |      |      |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                           |                  |                                                         |                  |                            |                                                                                                                               |                              |                                                                                                    |                        |           |       |       |      |      |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
| <table><tr><td rowspan="5">SHT2.+87898-0315<br/>EC NO: S2014-0976<br/>DRWN:ATSEE 2014/04/14<br/>CHKD:FANNYWONG 2014/04/14<br/>APPR:LBLEE 2014/09/11</td><td rowspan="5">DESCRIPTION<br/>REV</td><td>QUALITY SYMBOLS</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE<br/>MM ONLY</td><td>SCALE<br/>NTS</td><td>DESIGN UNITS<br/>METRIC</td><td colspan="2">THIRD ANGLE PROJECTION</td></tr><tr><td rowspan="4">=0<br/>=0<br/>=0</td><td></td><td>mm</td><td>INCH</td><td>DRAWN BY<br/>YLQIAO</td><td>DATE<br/>2005/03/14</td><td rowspan="4">TITLE<br/>CUSTOM HEADER<br/>2.54MM PITCH SINGLE ROW<br/>SINGLE WAFER SMT HEADER<br/>MOLEX INCORPORATED</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td><td>CHECKED BY<br/>PTLIM</td><td>DATE<br/>2005/03/29</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td><td>APPROVED BY<br/>MLONG</td><td>DATE<br/>2010/10/04</td></tr><tr><td>2 PLACES</td><td>± 0.2</td><td>± ---</td><td>MATERIAL NO.<br/>SEE TABLE</td><td>DOCUMENT NO.<br/>SD-87898-001</td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td><td colspan="2">DRAFT WHERE APPLICABLE<br/>MUST REMAIN WITHIN DIMENSIONS</td><td>SIZE<br/>A3</td><td colspan="2">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td><td>SHEET NO.<br/>8 OF 20</td></tr></table> |                           |                  |                                                         |                  |                            |                                                                                                                               |                              |                                                                                                    |                        |           |       |       |      |      | SHT2.+87898-0315<br>EC NO: S2014-0976<br>DRWN:ATSEE 2014/04/14<br>CHKD:FANNYWONG 2014/04/14<br>APPR:LBLEE 2014/09/11 | DESCRIPTION<br>REV | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION |  | =0<br>=0<br>=0 |  | mm | INCH | DRAWN BY<br>YLQIAO | DATE<br>2005/03/14 | TITLE<br>CUSTOM HEADER<br>2.54MM PITCH SINGLE ROW<br>SINGLE WAFER SMT HEADER<br>MOLEX INCORPORATED | 4 PLACES | ± --- | ± --- | CHECKED BY<br>PTLIM | DATE<br>2005/03/29 | 3 PLACES | ± --- | ± --- | APPROVED BY<br>MLONG | DATE<br>2010/10/04 | 2 PLACES | ± 0.2 | ± --- | MATERIAL NO.<br>SEE TABLE | DOCUMENT NO.<br>SD-87898-001 | 1 PLACE | ± --- | ± --- | DRAFT WHERE APPLICABLE<br>MUST REMAIN WITHIN DIMENSIONS |  | SIZE<br>A3 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  | SHEET NO.<br>8 OF 20 |
| SHT2.+87898-0315<br>EC NO: S2014-0976<br>DRWN:ATSEE 2014/04/14<br>CHKD:FANNYWONG 2014/04/14<br>APPR:LBLEE 2014/09/11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DESCRIPTION<br>REV        | QUALITY SYMBOLS  | GENERAL TOLERANCES (UNLESS SPECIFIED)                   |                  | DIMENSION STYLE<br>MM ONLY |                                                                                                                               | SCALE<br>NTS                 | DESIGN UNITS<br>METRIC                                                                             | THIRD ANGLE PROJECTION |           |       |       |      |      |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                           | =0<br>=0<br>=0   |                                                         | mm               | INCH                       | DRAWN BY<br>YLQIAO                                                                                                            | DATE<br>2005/03/14           | TITLE<br>CUSTOM HEADER<br>2.54MM PITCH SINGLE ROW<br>SINGLE WAFER SMT HEADER<br>MOLEX INCORPORATED |                        |           |       |       |      |      |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                           |                  | 4 PLACES                                                | ± ---            | ± ---                      | CHECKED BY<br>PTLIM                                                                                                           | DATE<br>2005/03/29           |                                                                                                    |                        |           |       |       |      |      |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                           |                  | 3 PLACES                                                | ± ---            | ± ---                      | APPROVED BY<br>MLONG                                                                                                          | DATE<br>2010/10/04           |                                                                                                    |                        |           |       |       |      |      |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                           |                  | 2 PLACES                                                | ± 0.2            | ± ---                      | MATERIAL NO.<br>SEE TABLE                                                                                                     | DOCUMENT NO.<br>SD-87898-001 |                                                                                                    |                        |           |       |       |      |      |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
| 1 PLACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ± ---                     | ± ---            | DRAFT WHERE APPLICABLE<br>MUST REMAIN WITHIN DIMENSIONS |                  | SIZE<br>A3                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                              | SHEET NO.<br>8 OF 20                                                                               |                        |           |       |       |      |      |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |
| fb_frame_A3_P_AM_T Rev. F 2009/06/18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 9                         | 8                | 7                                                       | 6                | 5                          | 4                                                                                                                             | 3                            | 2                                                                                                  | 1                      |           |       |       |      |      |                                                                                                                      |                    |                 |                                       |  |                            |  |              |                        |                        |  |                |  |    |      |                    |                    |                                                                                                    |          |       |       |                     |                    |          |       |       |                      |                    |          |       |       |                           |                              |         |       |       |                                                         |  |            |                                                                                                                               |  |                      |

|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|---|---------------------------|------------------|---------------------|------------------|----------------------------|-------------------------|-------------|------------------|-----------------|-----------|-------|-------|------|------|--|
|   | 10                        | 9                | 8                   | 7                | 6                          | 5                       | 4           | 3                | 2               | 1         |       |       |      |      |  |
| F | PACKAGING OPTION PART NO. |                  |                     |                  |                            |                         | CKT<br>SIZE | VOID<br>POSITION | PLATING<br>TYPE | DIMENSION |       |       |      |      |  |
|   | TRAY<br>WITHOUT CAP       | TRAY<br>WITH CAP | TUBE<br>WITHOUT CAP | TUBE<br>WITH CAP | TAPE & REEL<br>WITHOUT CAP | TAPE & REEL<br>WITH CAP |             |                  |                 | A         | B     | G     | F    | M    |  |
|   | -----                     | -----            | 87898-2221          | 87898-2231       | -----                      | -----                   | 22          | ----             | 1               | 55.88     | 53.34 | 10.81 | 9.65 | 5.84 |  |
|   | -----                     | -----            | 87898-2222          | 87898-2232       | -----                      | -----                   | 22          | ----             | 2               | 55.88     | 53.34 | 10.81 | 9.65 | 5.84 |  |
|   | -----                     | -----            | 87898-2224          | 87898-2234       | -----                      | -----                   | 22          | ----             | 4               | 55.88     | 53.34 | 10.81 | 9.65 | 5.84 |  |
| E | -----                     | -----            | 87898-2225          | 87898-2235       | -----                      | -----                   | 22          | ----             | 5               | 55.88     | 53.34 | 10.81 | 9.65 | 5.84 |  |
|   | -----                     | -----            | 87898-2226          | 87898-2236       | -----                      | -----                   | 22          | ----             | 6               | 55.88     | 53.34 | 10.81 | 9.65 | 5.84 |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   | -----                     | -----            | 87898-2321          | 87898-2331       | -----                      | -----                   | 23          | ----             | 1               | 58.42     | 55.88 | 10.81 | 9.65 | 5.84 |  |
|   | -----                     | -----            | 87898-2322          | 87898-2332       | -----                      | -----                   | 23          | ----             | 2               | 58.42     | 55.88 | 10.81 | 9.65 | 5.84 |  |
| D | -----                     | -----            | 87898-2324          | 87898-2334       | -----                      | -----                   | 23          | ----             | 4               | 58.42     | 55.88 | 10.81 | 9.65 | 5.84 |  |
|   | -----                     | -----            | 87898-2325          | 87898-2335       | -----                      | -----                   | 23          | ----             | 5               | 58.42     | 55.88 | 10.81 | 9.65 | 5.84 |  |
|   | -----                     | -----            | 87898-2326          | 87898-2336       | -----                      | -----                   | 23          | ----             | 6               | 58.42     | 55.88 | 10.81 | 9.65 | 5.84 |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   | -----                     | -----            | 87898-2421          | 87898-2431       | -----                      | -----                   | 24          | ----             | 1               | 60.96     | 58.42 | 10.81 | 9.65 | 5.84 |  |
| C | -----                     | -----            | 87898-2422          | 87898-2432       | -----                      | -----                   | 24          | ----             | 2               | 60.96     | 58.42 | 10.81 | 9.65 | 5.84 |  |
|   | -----                     | -----            | 87898-2424          | 87898-2434       | -----                      | -----                   | 24          | ----             | 4               | 60.96     | 58.42 | 10.81 | 9.65 | 5.84 |  |
|   | -----                     | -----            | 87898-2425          | 87898-2435       | -----                      | -----                   | 24          | ----             | 5               | 60.96     | 58.42 | 10.81 | 9.65 | 5.84 |  |
|   | -----                     | -----            | 87898-2426          | 87898-2436       | -----                      | -----                   | 24          | ----             | 6               | 60.96     | 58.42 | 10.81 | 9.65 | 5.84 |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
| B |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
| A |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
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|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
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|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
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|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
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|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
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|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
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|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
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|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
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|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
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|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
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|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
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|   |                           |                  |                     |                  |                            |                         |             |                  |                 |           |       |       |      |      |  |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 10                        | 9                  | 8                                        | 7                                                                                                                                | 6                          | 5                       | 4                  | 3                                                                                                          | 2                         | 1         |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PACKAGING OPTION PART NO. |                    |                                          |                                                                                                                                  |                            |                         | CKT<br>SIZE        | VOID<br>POSITION                                                                                           | PLATING<br>TYPE           | DIMENSION |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TRAY<br>WITHOUT CAP       | TRAY<br>WITH CAP   | TUBE<br>WITHOUT CAP                      | TUBE<br>WITH CAP                                                                                                                 | TAPE & REEL<br>WITHOUT CAP | TAPE & REEL<br>WITH CAP |                    |                                                                                                            |                           | A         | B     | G     | F    | M    |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -----                     | -----              | 87898-2521                               | 87898-2531                                                                                                                       | -----                      | -----                   | 25                 | -----                                                                                                      | 1                         | 63.50     | 60.96 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -----                     | -----              | 87898-2522                               | 87898-2532                                                                                                                       | -----                      | -----                   | 25                 | -----                                                                                                      | 2                         | 63.50     | 60.96 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -----                     | -----              | 87898-2524                               | 87898-2534                                                                                                                       | -----                      | -----                   | 25                 | -----                                                                                                      | 4                         | 63.50     | 60.96 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -----                     | -----              | 87898-2525                               | 87898-2535                                                                                                                       | -----                      | -----                   | 25                 | -----                                                                                                      | 5                         | 63.50     | 60.96 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -----                     | -----              | 87898-2526                               | 87898-2536                                                                                                                       | -----                      | -----                   | 25                 | -----                                                                                                      | 6                         | 63.50     | 60.96 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                           |                    |                                          |                                                                                                                                  |                            |                         |                    |                                                                                                            |                           |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -----                     | -----              | 87898-2621                               | 87898-2631                                                                                                                       | -----                      | -----                   | 26                 | -----                                                                                                      | 1                         | 66.04     | 63.50 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -----                     | -----              | 87898-2622                               | 87898-2632                                                                                                                       | -----                      | -----                   | 26                 | -----                                                                                                      | 2                         | 66.04     | 63.50 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -----                     | -----              | 87898-2624                               | 87898-2634                                                                                                                       | -----                      | -----                   | 26                 | -----                                                                                                      | 4                         | 66.04     | 63.50 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -----                     | -----              | 87898-2625                               | 87898-2635                                                                                                                       | -----                      | -----                   | 26                 | -----                                                                                                      | 5                         | 66.04     | 63.50 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -----                     | -----              | 87898-2626                               | 87898-2636                                                                                                                       | -----                      | -----                   | 26                 | -----                                                                                                      | 6                         | 66.04     | 63.50 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                           |                    |                                          |                                                                                                                                  |                            |                         |                    |                                                                                                            |                           |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                           |                    |                                          |                                                                                                                                  |                            |                         |                    |                                                                                                            |                           |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -----                     | -----              | 87898-2721                               | 87898-2731                                                                                                                       | -----                      | -----                   | 27                 | -----                                                                                                      | 1                         | 68.58     | 66.04 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -----                     | -----              | 87898-2722                               | 87898-2732                                                                                                                       | -----                      | -----                   | 27                 | -----                                                                                                      | 2                         | 68.58     | 66.04 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -----                     | -----              | 87898-2724                               | 87898-2734                                                                                                                       | -----                      | -----                   | 27                 | -----                                                                                                      | 4                         | 68.58     | 66.04 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -----                     | -----              | 87898-2725                               | 87898-2735                                                                                                                       | -----                      | -----                   | 27                 | -----                                                                                                      | 5                         | 68.58     | 66.04 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -----                     | -----              | 87898-2726                               | 87898-2736                                                                                                                       | -----                      | -----                   | 27                 | -----                                                                                                      | 6                         | 68.58     | 66.04 | 10.81 | 9.65 | 5.84 |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                           |                    |                                          |                                                                                                                                  |                            |                         |                    |                                                                                                            |                           |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                           |                    |                                          |                                                                                                                                  |                            |                         |                    |                                                                                                            |                           |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                           |                    |                                          |                                                                                                                                  |                            |                         |                    |                                                                                                            |                           |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
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| <table><tr><td rowspan="5">SHT2.+87898-0315<br/>EC NO: S2014-0976<br/>DRWN:ATSE 2014/04/14<br/>CHKD:FANNYWONG 2014/04/14<br/>APPR:LBLEE 2014/09/11<br/><br/>B12</td><td rowspan="5">REV<br/>DESCRIPTION</td><td>QUALITY<br/>SYMBOLS</td><td colspan="2">GENERAL TOLERANCES<br/>(UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE<br/>MM ONLY</td><td>SCALE<br/>NTS</td><td>DESIGN UNITS<br/>METRIC</td><td colspan="2">THIRD ANGLE<br/>PROJECTION</td></tr><tr><td rowspan="4"><br/><br/></td><td></td><td>mm</td><td>INCH</td><td>DRAWN BY<br/>YLQIAO</td><td>DATE<br/>2005/03/14</td><td rowspan="4">TITLE<br/><br/>CUSTOM HEADER<br/>2.54MM PITCH SINGLE ROW<br/>SINGLE WAFER SMT HEADER<br/><br/> MOLEX INCORPORATED</td></tr><tr><td>4 PLACES ± ---</td><td>± ---</td><td>CHECKED BY<br/>PTLIM</td><td>DATE<br/>2005/03/29</td></tr><tr><td>3 PLACES ± ---</td><td>± ---</td><td>APPROVED BY<br/>MLONG</td><td>DATE<br/>2010/10/04</td></tr><tr><td>2 PLACES ± 0.2</td><td>± ---</td><td>MATERIAL NO.</td><td>DOCUMENT NO.</td></tr><tr><td>1 PLACE ± ---</td><td>± ---</td><td colspan="2">ANGULAR ± 3 °</td><td colspan="2">SEE TABLE</td><td colspan="2">SD-87898-001</td><td>SHEET NO.<br/>10 OF 20</td></tr><tr><td colspan="2">DRAFT WHERE APPLICABLE<br/>MUST REMAIN<br/>WITHIN DIMENSIONS</td><td colspan="2">SIZE<br/>A3</td><td colspan="10">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br/>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr></table> |                           |                    |                                          |                                                                                                                                  |                            |                         |                    |                                                                                                            |                           |           |       |       |      |      | SHT2.+87898-0315<br>EC NO: S2014-0976<br>DRWN:ATSE 2014/04/14<br>CHKD:FANNYWONG 2014/04/14<br>APPR:LBLEE 2014/09/11<br><br>B12 | REV<br>DESCRIPTION | QUALITY<br>SYMBOLS | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  | <br><br> |  | mm | INCH | DRAWN BY<br>YLQIAO | DATE<br>2005/03/14 | TITLE<br><br>CUSTOM HEADER<br>2.54MM PITCH SINGLE ROW<br>SINGLE WAFER SMT HEADER<br><br>MOLEX INCORPORATED | 4 PLACES ± --- | ± --- | CHECKED BY<br>PTLIM | DATE<br>2005/03/29 | 3 PLACES ± --- | ± --- | APPROVED BY<br>MLONG | DATE<br>2010/10/04 | 2 PLACES ± 0.2 | ± --- | MATERIAL NO. | DOCUMENT NO. | 1 PLACE ± --- | ± --- | ANGULAR ± 3 ° |  | SEE TABLE |  | SD-87898-001 |  | SHEET NO.<br>10 OF 20 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | SIZE<br>A3 |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |  |  |  |  |  |  |  |  |
| SHT2.+87898-0315<br>EC NO: S2014-0976<br>DRWN:ATSE 2014/04/14<br>CHKD:FANNYWONG 2014/04/14<br>APPR:LBLEE 2014/09/11<br><br>B12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | REV<br>DESCRIPTION        | QUALITY<br>SYMBOLS | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |                                                                                                                                  | DIMENSION STYLE<br>MM ONLY |                         | SCALE<br>NTS       | DESIGN UNITS<br>METRIC                                                                                     | THIRD ANGLE<br>PROJECTION |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                           | <br><br>           |                                          | mm                                                                                                                               | INCH                       | DRAWN BY<br>YLQIAO      | DATE<br>2005/03/14 | TITLE<br><br>CUSTOM HEADER<br>2.54MM PITCH SINGLE ROW<br>SINGLE WAFER SMT HEADER<br><br>MOLEX INCORPORATED |                           |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                           |                    | 4 PLACES ± ---                           | ± ---                                                                                                                            | CHECKED BY<br>PTLIM        | DATE<br>2005/03/29      |                    |                                                                                                            |                           |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                           |                    | 3 PLACES ± ---                           | ± ---                                                                                                                            | APPROVED BY<br>MLONG       | DATE<br>2010/10/04      |                    |                                                                                                            |                           |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                           |                    | 2 PLACES ± 0.2                           | ± ---                                                                                                                            | MATERIAL NO.               | DOCUMENT NO.            |                    |                                                                                                            |                           |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| 1 PLACE ± ---                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ± ---                     | ANGULAR ± 3 °      |                                          | SEE TABLE                                                                                                                        |                            | SD-87898-001            |                    | SHEET NO.<br>10 OF 20                                                                                      |                           |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                           | SIZE<br>A3         |                                          | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                            |                         |                    |                                                                                                            |                           |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| fb_frame_A3_P_AM_T<br>Rev. F 2009/06/18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 9                         | 8                  | 7                                        | 6                                                                                                                                | 5                          | 4                       | 3                  | 2                                                                                                          | 1                         |           |       |       |      |      |                                                                                                                                |                    |                    |                                          |  |                            |  |              |                        |                           |  |          |  |    |      |                    |                    |                                                                                                            |                |       |                     |                    |                |       |                      |                    |                |       |              |              |               |       |               |  |           |  |              |  |                       |                                                            |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |

tb\_frame\_A3\_P\_AM\_T  
Rev. F 2009/06/18

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10                        | 9                                                                                                                                | 8                                           | 7                                                          | 6                            | 5                          | 4                  | 3                  | 2                                                                                                          | 1                         |       |       |      |      |  |                                                                                                                            |     |             |                                             |                                          |  |                            |  |              |                        |                           |  |                                                            |    |      |                    |                    |                                                                                                            |          |       |       |            |      |          |       |       |       |            |          |       |       |             |      |         |       |       |       |            |                              |                       |               |  |                           |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PACKAGING OPTION PART NO. |                                                                                                                                  |                                             |                                                            |                              |                            | CKT<br>SIZE        | VOID<br>POSITION   | PLATING<br>TYPE                                                                                            | DIMENSION                 |       |       |      |      |  |                                                                                                                            |     |             |                                             |                                          |  |                            |  |              |                        |                           |  |                                                            |    |      |                    |                    |                                                                                                            |          |       |       |            |      |          |       |       |       |            |          |       |       |             |      |         |       |       |       |            |                              |                       |               |  |                           |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | TRAY<br>WITHOUT CAP       | TRAY<br>WITH CAP                                                                                                                 | TUBE<br>WITHOUT CAP                         | TUBE<br>WITH CAP                                           | TAPE & REEL<br>WITHOUT CAP   | TAPE & REEL<br>WITH CAP    |                    |                    |                                                                                                            | A                         | B     | G     | F    | M    |  |                                                                                                                            |     |             |                                             |                                          |  |                            |  |              |                        |                           |  |                                                            |    |      |                    |                    |                                                                                                            |          |       |       |            |      |          |       |       |       |            |          |       |       |             |      |         |       |       |       |            |                              |                       |               |  |                           |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                           |                                                                                                                                  |                                             |                                                            |                              |                            |                    |                    |                                                                                                            |                           |       |       |      |      |  |                                                                                                                            |     |             |                                             |                                          |  |                            |  |              |                        |                           |  |                                                            |    |      |                    |                    |                                                                                                            |          |       |       |            |      |          |       |       |       |            |          |       |       |             |      |         |       |       |       |            |                              |                       |               |  |                           |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -----                     | -----                                                                                                                            | 87898-3121                                  | 87898-3131                                                 | -----                        | -----                      | 31                 | -----              | 1                                                                                                          | 78.74                     | 76.20 | 10.81 | 9.65 | 5.84 |  |                                                                                                                            |     |             |                                             |                                          |  |                            |  |              |                        |                           |  |                                                            |    |      |                    |                    |                                                                                                            |          |       |       |            |      |          |       |       |       |            |          |       |       |             |      |         |       |       |       |            |                              |                       |               |  |                           |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -----                     | -----                                                                                                                            | 87898-3122                                  | 87898-3132                                                 | -----                        | -----                      | 31                 | -----              | 2                                                                                                          | 78.74                     | 76.20 | 10.81 | 9.65 | 5.84 |  |                                                                                                                            |     |             |                                             |                                          |  |                            |  |              |                        |                           |  |                                                            |    |      |                    |                    |                                                                                                            |          |       |       |            |      |          |       |       |       |            |          |       |       |             |      |         |       |       |       |            |                              |                       |               |  |                           |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -----                     | -----                                                                                                                            | 87898-3124                                  | 87898-3134                                                 | -----                        | -----                      | 31                 | -----              | 4                                                                                                          | 78.74                     | 76.20 | 10.81 | 9.65 | 5.84 |  |                                                                                                                            |     |             |                                             |                                          |  |                            |  |              |                        |                           |  |                                                            |    |      |                    |                    |                                                                                                            |          |       |       |            |      |          |       |       |       |            |          |       |       |             |      |         |       |       |       |            |                              |                       |               |  |                           |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
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| E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                           |                                                                                                                                  |                                             |                                                            |                              |                            |                    |                    |                                                                                                            |                           |       |       |      |      |  |                                                                                                                            |     |             |                                             |                                          |  |                            |  |              |                        |                           |  |                                                            |    |      |                    |                    |                                                                                                            |          |       |       |            |      |          |       |       |       |            |          |       |       |             |      |         |       |       |       |            |                              |                       |               |  |                           |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -----                     | -----                                                                                                                            | 87898-3222                                  | 87898-3232                                                 | -----                        | -----                      | 32                 | -----              | 2                                                                                                          | 81.28                     | 78.74 | 10.81 | 9.65 | 5.84 |  |                                                                                                                            |     |             |                                             |                                          |  |                            |  |              |                        |                           |  |                                                            |    |      |                    |                    |                                                                                                            |          |       |       |            |      |          |       |       |       |            |          |       |       |             |      |         |       |       |       |            |                              |                       |               |  |                           |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
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| <table><tr><td rowspan="5">SHT2.+87898-0315<br/>EC NO: S2014-0976<br/>DRWN:ATSE 2014/04/14<br/>CHKD:FANNYWONG 2014/04/14<br/>APPR:LBLEE 2014/09/11<br/>B12</td><td rowspan="5">REV</td><td rowspan="5">DESCRIPTION</td><td rowspan="5">QUALITY<br/>SYMBOLS<br/><br/>▽=0<br/>▽=0<br/>▽=0</td><td colspan="2">GENERAL TOLERANCES<br/>(UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE<br/>MM ONLY</td><td>SCALE<br/>NTS</td><td>DESIGN UNITS<br/>METRIC</td><td colspan="2">THIRD ANGLE<br/>PROJECTION</td></tr><tr><td rowspan="4">DRAFT WHERE APPLICABLE<br/>MUST REMAIN<br/>WITHIN DIMENSIONS</td><td>mm</td><td>INCH</td><td>DRAWN BY<br/>YLQIAO</td><td>DATE<br/>2005/03/14</td><td rowspan="4">TITLE<br/><br/>CUSTOM HEADER<br/>2.54MM PITCH SINGLE ROW<br/>SINGLE WAFER SMT HEADER<br/><br/>MOLEX INCORPORATED</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td><td>CHECKED BY</td><td>DATE</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td><td>PTLIM</td><td>2005/03/29</td></tr><tr><td>2 PLACES</td><td>± 0.2</td><td>± ---</td><td>APPROVED BY</td><td>DATE</td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td><td>MLONG</td><td>2010/10/04</td><td rowspan="2">DOCUMENT NO.<br/>SD-87898-001</td><td rowspan="2">SHEET NO.<br/>12 OF 20</td></tr><tr><td colspan="2">ANGULAR ± 3 °</td><td colspan="2">MATERIAL NO.<br/>SEE TABLE</td></tr><tr><td colspan="2">SIZE<br/>A3</td><td colspan="10">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br/>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr></table> |                           |                                                                                                                                  |                                             |                                                            |                              |                            |                    |                    |                                                                                                            |                           |       |       |      |      |  | SHT2.+87898-0315<br>EC NO: S2014-0976<br>DRWN:ATSE 2014/04/14<br>CHKD:FANNYWONG 2014/04/14<br>APPR:LBLEE 2014/09/11<br>B12 | REV | DESCRIPTION | QUALITY<br>SYMBOLS<br><br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>NTS | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS | mm | INCH | DRAWN BY<br>YLQIAO | DATE<br>2005/03/14 | TITLE<br><br>CUSTOM HEADER<br>2.54MM PITCH SINGLE ROW<br>SINGLE WAFER SMT HEADER<br><br>MOLEX INCORPORATED | 4 PLACES | ± --- | ± --- | CHECKED BY | DATE | 3 PLACES | ± --- | ± --- | PTLIM | 2005/03/29 | 2 PLACES | ± 0.2 | ± --- | APPROVED BY | DATE | 1 PLACE | ± --- | ± --- | MLONG | 2010/10/04 | DOCUMENT NO.<br>SD-87898-001 | SHEET NO.<br>12 OF 20 | ANGULAR ± 3 ° |  | MATERIAL NO.<br>SEE TABLE |  | SIZE<br>A3 |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |  |  |  |  |  |  |  |  |
| SHT2.+87898-0315<br>EC NO: S2014-0976<br>DRWN:ATSE 2014/04/14<br>CHKD:FANNYWONG 2014/04/14<br>APPR:LBLEE 2014/09/11<br>B12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | REV                       | DESCRIPTION                                                                                                                      | QUALITY<br>SYMBOLS<br><br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |                              | DIMENSION STYLE<br>MM ONLY |                    | SCALE<br>NTS       | DESIGN UNITS<br>METRIC                                                                                     | THIRD ANGLE<br>PROJECTION |       |       |      |      |  |                                                                                                                            |     |             |                                             |                                          |  |                            |  |              |                        |                           |  |                                                            |    |      |                    |                    |                                                                                                            |          |       |       |            |      |          |       |       |       |            |          |       |       |             |      |         |       |       |       |            |                              |                       |               |  |                           |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
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| 1 PLACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ± ---                     | ± ---                                                                                                                            | MLONG                                       | 2010/10/04                                                 | DOCUMENT NO.<br>SD-87898-001 | SHEET NO.<br>12 OF 20      |                    |                    |                                                                                                            |                           |       |       |      |      |  |                                                                                                                            |     |             |                                             |                                          |  |                            |  |              |                        |                           |  |                                                            |    |      |                    |                    |                                                                                                            |          |       |       |            |      |          |       |       |       |            |          |       |       |             |      |         |       |       |       |            |                              |                       |               |  |                           |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| ANGULAR ± 3 °                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                           | MATERIAL NO.<br>SEE TABLE                                                                                                        |                                             |                                                            |                              |                            |                    |                    |                                                                                                            |                           |       |       |      |      |  |                                                                                                                            |     |             |                                             |                                          |  |                            |  |              |                        |                           |  |                                                            |    |      |                    |                    |                                                                                                            |          |       |       |            |      |          |       |       |       |            |          |       |       |             |      |         |       |       |       |            |                              |                       |               |  |                           |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| SIZE<br>A3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                           | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                             |                                                            |                              |                            |                    |                    |                                                                                                            |                           |       |       |      |      |  |                                                                                                                            |     |             |                                             |                                          |  |                            |  |              |                        |                           |  |                                                            |    |      |                    |                    |                                                                                                            |          |       |       |            |      |          |       |       |       |            |          |       |       |             |      |         |       |       |       |            |                              |                       |               |  |                           |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| fb_frame_A3_P_AM_T<br>Rev. F 2009/06/18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 9                         | 8                                                                                                                                | 7                                           | 6                                                          | 5                            | 4                          | 3                  | 2                  | 1                                                                                                          |                           |       |       |      |      |  |                                                                                                                            |     |             |                                             |                                          |  |                            |  |              |                        |                           |  |                                                            |    |      |                    |                    |                                                                                                            |          |       |       |            |      |          |       |       |       |            |          |       |       |             |      |         |       |       |       |            |                              |                       |               |  |                           |  |            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |

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|----------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------------|-------|-------|------|------|-----------------------|---|
|                                                                                                                                  | 10                        | 9                                           | 8                   | 7                                                                                                                                                                       | 6                          | 5                                                                                                                                      | 4           | 3                                                                   | 2               | 1                                                                                                         |       |       |      |      |                       |   |
|                                                                                                                                  | PACKAGING OPTION PART NO. |                                             |                     |                                                                                                                                                                         |                            |                                                                                                                                        | CKT<br>SIZE | VOID<br>POSITION                                                    | PLATING<br>TYPE | DIMENSION                                                                                                 |       |       |      |      |                       |   |
|                                                                                                                                  | TRAY<br>WITHOUT CAP       | TRAY<br>WITH CAP                            | TUBE<br>WITHOUT CAP | TUBE<br>WITH CAP                                                                                                                                                        | TAPE & REEL<br>WITHOUT CAP | TAPE & REEL<br>WITH CAP                                                                                                                |             |                                                                     |                 | A                                                                                                         | B     | G     | F    | M    |                       |   |
| F                                                                                                                                | -----                     | -----                                       | 87898-3721          | 87898-3731                                                                                                                                                              | -----                      | -----                                                                                                                                  | 37          | -----                                                               | 1               | 93.98                                                                                                     | 91.44 | 10.81 | 9.65 | 5.84 | F                     |   |
|                                                                                                                                  | -----                     | -----                                       | 87898-3722          | 87898-3732                                                                                                                                                              | -----                      | -----                                                                                                                                  | 37          | -----                                                               | 2               | 93.98                                                                                                     | 91.44 | 10.81 | 9.65 | 5.84 |                       |   |
|                                                                                                                                  | -----                     | -----                                       | 87898-3724          | 87898-3734                                                                                                                                                              | -----                      | -----                                                                                                                                  | 37          | -----                                                               | 4               | 93.98                                                                                                     | 91.44 | 10.81 | 9.65 | 5.84 |                       |   |
|                                                                                                                                  | -----                     | -----                                       | 87898-3725          | 87898-3735                                                                                                                                                              | -----                      | -----                                                                                                                                  | 37          | -----                                                               | 5               | 93.98                                                                                                     | 91.44 | 10.81 | 9.65 | 5.84 |                       |   |
|                                                                                                                                  | -----                     | -----                                       | 87898-3726          | 87898-3736                                                                                                                                                              | -----                      | -----                                                                                                                                  | 37          | -----                                                               | 6               | 93.98                                                                                                     | 91.44 | 10.81 | 9.65 | 5.84 |                       |   |
| E                                                                                                                                |                           |                                             |                     |                                                                                                                                                                         |                            |                                                                                                                                        |             |                                                                     |                 |                                                                                                           |       |       |      |      | E                     |   |
|                                                                                                                                  | -----                     | -----                                       | 87898-3821          | 87898-3831                                                                                                                                                              | -----                      | -----                                                                                                                                  | 38          | -----                                                               | 1               | 96.52                                                                                                     | 93.98 | 10.81 | 9.65 | 5.84 |                       |   |
|                                                                                                                                  | -----                     | -----                                       | 87898-3822          | 87898-3832                                                                                                                                                              | -----                      | -----                                                                                                                                  | 38          | -----                                                               | 2               | 96.52                                                                                                     | 93.98 | 10.81 | 9.65 | 5.84 |                       |   |
|                                                                                                                                  | -----                     | -----                                       | 87898-3824          | 87898-3834                                                                                                                                                              | -----                      | -----                                                                                                                                  | 38          | -----                                                               | 4               | 96.52                                                                                                     | 93.98 | 10.81 | 9.65 | 5.84 |                       |   |
|                                                                                                                                  | -----                     | -----                                       | 87898-3825          | 87898-3835                                                                                                                                                              | -----                      | -----                                                                                                                                  | 38          | -----                                                               | 5               | 96.52                                                                                                     | 93.98 | 10.81 | 9.65 | 5.84 |                       |   |
| D                                                                                                                                | -----                     | -----                                       | 87898-3826          | 87898-3836                                                                                                                                                              | -----                      | -----                                                                                                                                  | 38          | -----                                                               | 6               | 96.52                                                                                                     | 93.98 | 10.81 | 9.65 | 5.84 | D                     |   |
|                                                                                                                                  |                           |                                             |                     |                                                                                                                                                                         |                            |                                                                                                                                        |             |                                                                     |                 |                                                                                                           |       |       |      |      |                       |   |
|                                                                                                                                  |                           |                                             |                     |                                                                                                                                                                         |                            |                                                                                                                                        |             |                                                                     |                 |                                                                                                           |       |       |      |      |                       |   |
|                                                                                                                                  | -----                     | -----                                       | 87898-3921          | 87898-3931                                                                                                                                                              | -----                      | -----                                                                                                                                  | 39          | -----                                                               | 1               | 99.06                                                                                                     | 96.52 | 10.81 | 9.65 | 5.84 |                       |   |
|                                                                                                                                  | -----                     | -----                                       | 87898-3922          | 87898-3932                                                                                                                                                              | -----                      | -----                                                                                                                                  | 39          | -----                                                               | 2               | 99.06                                                                                                     | 96.52 | 10.81 | 9.65 | 5.84 |                       |   |
|                                                                                                                                  | -----                     | -----                                       | 87898-3924          | 87898-3934                                                                                                                                                              | -----                      | -----                                                                                                                                  | 39          | -----                                                               | 4               | 99.06                                                                                                     | 96.52 | 10.81 | 9.65 | 5.84 |                       |   |
| C                                                                                                                                | -----                     | -----                                       | 87898-3925          | 87898-3935                                                                                                                                                              | -----                      | -----                                                                                                                                  | 39          | -----                                                               | 5               | 99.06                                                                                                     | 96.52 | 10.81 | 9.65 | 5.84 | C                     |   |
|                                                                                                                                  | -----                     | -----                                       | 87898-3926          | 87898-3936                                                                                                                                                              | -----                      | -----                                                                                                                                  | 39          | -----                                                               | 6               | 99.06                                                                                                     | 96.52 | 10.81 | 9.65 | 5.84 |                       |   |
|                                                                                                                                  |                           |                                             |                     |                                                                                                                                                                         |                            |                                                                                                                                        |             |                                                                     |                 |                                                                                                           |       |       |      |      |                       |   |
| B                                                                                                                                |                           |                                             |                     |                                                                                                                                                                         |                            |                                                                                                                                        |             |                                                                     |                 |                                                                                                           |       |       |      |      |                       | B |
|                                                                                                                                  |                           |                                             |                     |                                                                                                                                                                         |                            |                                                                                                                                        |             |                                                                     |                 |                                                                                                           |       |       |      |      |                       |   |
| A                                                                                                                                |                           |                                             |                     |                                                                                                                                                                         |                            |                                                                                                                                        |             |                                                                     |                 |                                                                                                           |       |       |      |      |                       | A |
| fb_frame_A3_P_AM_T<br>Rev. F 2009/06/18                                                                                          |                           | 9                                           | 8                   | 7                                                                                                                                                                       | 6                          | 5                                                                                                                                      | 4           | 3                                                                   | 2               | 1                                                                                                         |       |       |      |      |                       |   |
| SHT2+87898-0315<br>EC NO: S2014-0976<br>DRWN:ATSEE 2014/04/14<br>CHKD:FANNYWONG 2014/04/14<br>APPR:LBLEE 2014/09/11<br>B12       |                           | QUALITY<br>SYMBOLS<br><br>▽=0<br>▽=0<br>▽=0 |                     | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)<br><br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.2 ± ---<br>1 PLACE ± --- ± ---<br>ANGULAR ± 3 ° |                            | DIMENSION STYLE<br>MM ONLY<br>DRAWN BY DATE YLQIAO 2005/03/14<br>CHECKED BY DATE PTLIM 2005/03/29<br>APPROVED BY DATE MLONG 2010/10/04 |             | SCALE<br>NTS<br>DESIGN UNITS<br>METRIC<br>THIRD ANGLE<br>PROJECTION |                 | CUSTOM HEADER<br>2.54MM PITCH SINGLE ROW<br>SINGLE WAFER SMT HEADER<br>MOLEX INCORPORATED<br>SD-87898-001 |       |       |      |      | SHEET NO.<br>14 OF 20 |   |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                           |                                             |                     |                                                                                                                                                                         |                            |                                                                                                                                        |             |                                                                     |                 |                                                                                                           |       |       |      |      |                       |   |

tb\_frame\_A3\_P\_AM\_T  
Rev. F 2009/06/18

10

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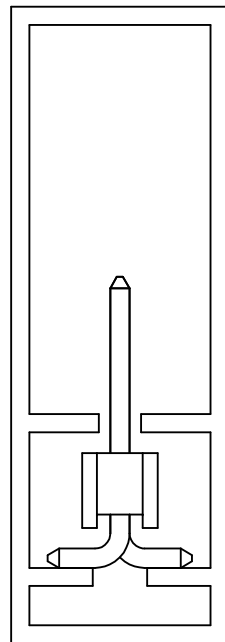
4

3

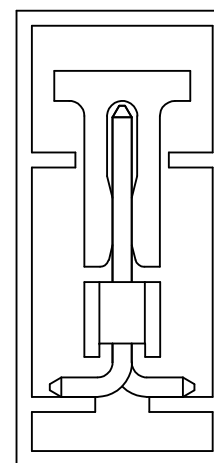
2

1

# PART WITHOUT CAP IN TUBE ORIENTATION



# PART WITH CAP IN TUBE ORIENTATION



|                                                                                                                                |                    |                 |  |                                                            |             |                            |      |                                                                                                                               |                        |                        |                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------|--|------------------------------------------------------------|-------------|----------------------------|------|-------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SHT2.+87898-0315<br>EC NO: S2014.-0976<br>2014/04/14<br>DRWN:ATSEE<br>2014/04/14<br>CHKD:FANNYWONG<br>2014/09/11<br>APPR:LBLEE | DESCRIPTION<br>REV | QUALITY SYMBOLS |  | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |             | DIMENSION STYLE<br>MM ONLY |      | SCALE<br>NTS                                                                                                                  | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION | TITLE<br>CUSTOM HEADER<br>2.54MM PITCH SINGLE ROW<br>SINGLE WAFER SMT HEADER<br>MOLEX INCORPORATED<br>DOCUMENT NO.<br>SD-87898-001<br>SHEET NO.<br>16 OF 20 |
|                                                                                                                                |                    | =0              |  | 4 PLACES                                                   | ± --- ± --- | mm                         | INCH | DRAWN BY<br>YLQIAO                                                                                                            | DATE<br>2005/03/14     |                        |                                                                                                                                                             |
|                                                                                                                                |                    | =0              |  | 3 PLACES                                                   | ± --- ± --- |                            |      | CHECKED BY<br>PTLIM                                                                                                           | DATE<br>2005/03/29     |                        |                                                                                                                                                             |
|                                                                                                                                |                    | =0              |  | 2 PLACES                                                   | ± 0.2 ± --- |                            |      | APPROVED BY<br>MLONG                                                                                                          | DATE<br>2010/10/04     |                        |                                                                                                                                                             |
|                                                                                                                                |                    |                 |  | 1 PLACE                                                    | ± --- ± --- |                            |      |                                                                                                                               |                        |                        |                                                                                                                                                             |
|                                                                                                                                |                    |                 |  | ANGULAR ± 3 °                                              |             |                            |      |                                                                                                                               |                        |                        |                                                                                                                                                             |
|                                                                                                                                |                    |                 |  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |             | MATERIAL NO.<br>SEE TABLE  |      |                                                                                                                               |                        |                        |                                                                                                                                                             |
|                                                                                                                                |                    |                 |  |                                                            |             | SIZE<br>A3                 |      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                        |                                                                                                                                                             |
|                                                                                                                                |                    |                 |  |                                                            |             |                            |      |                                                                                                                               |                        |                        |                                                                                                                                                             |
|                                                                                                                                |                    |                 |  |                                                            |             |                            |      |                                                                                                                               |                        |                        |                                                                                                                                                             |

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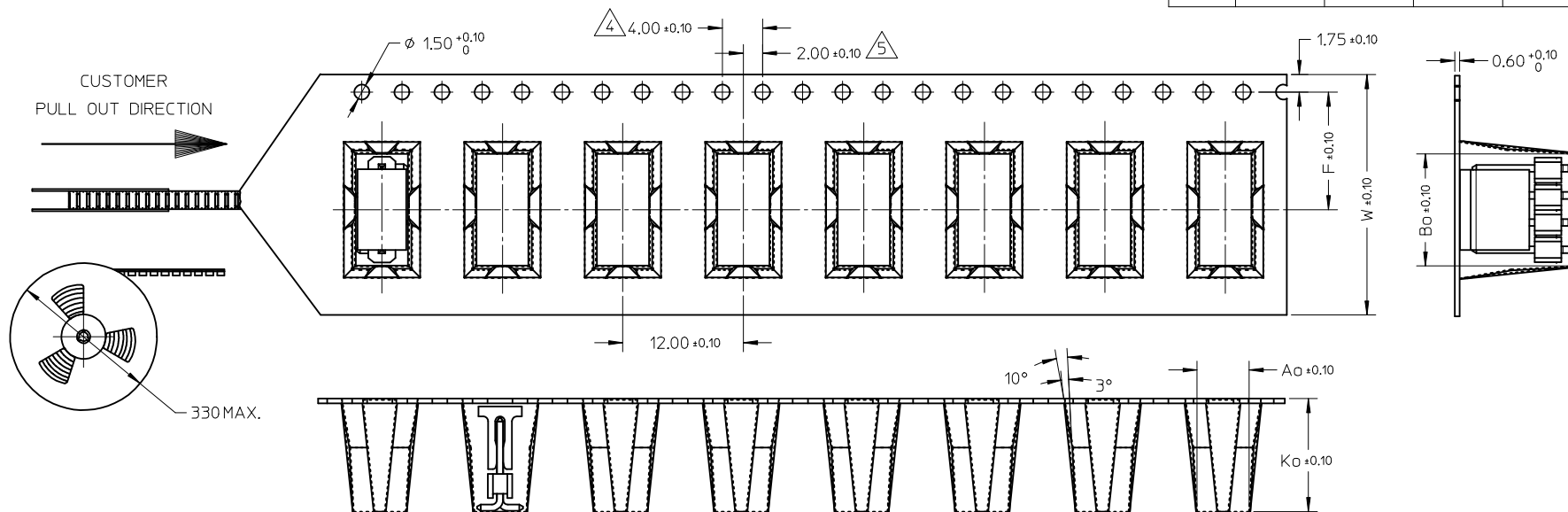
2

1

10 9 8 7 6 5 4 3 2 1

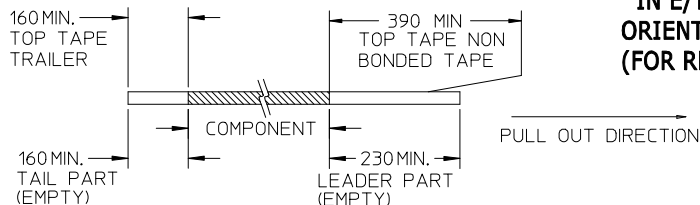
| CKT | DIMENSION |      |       |       |       |
|-----|-----------|------|-------|-------|-------|
|     | Bo        | Ao   | Ko    | F     | W     |
| 2   | 8.02      | 5.20 | 13.60 | 11.50 | 24.00 |
| 3   | 8.02      | 5.20 | 13.60 | 11.50 | 24.00 |
| 4   | 10.55     | 5.20 | 11.30 | 11.50 | 24.00 |

## EMBOSSED CARRIER TYPE 'A'

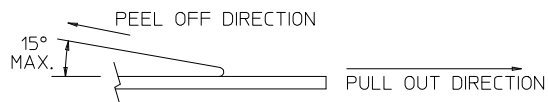


### NOTES:

#### 1. LEADER AND TRAILER TAPE



#### 2. PEELING OFF FORCE OF THE TOP TAPE: 20 - 80gf. (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



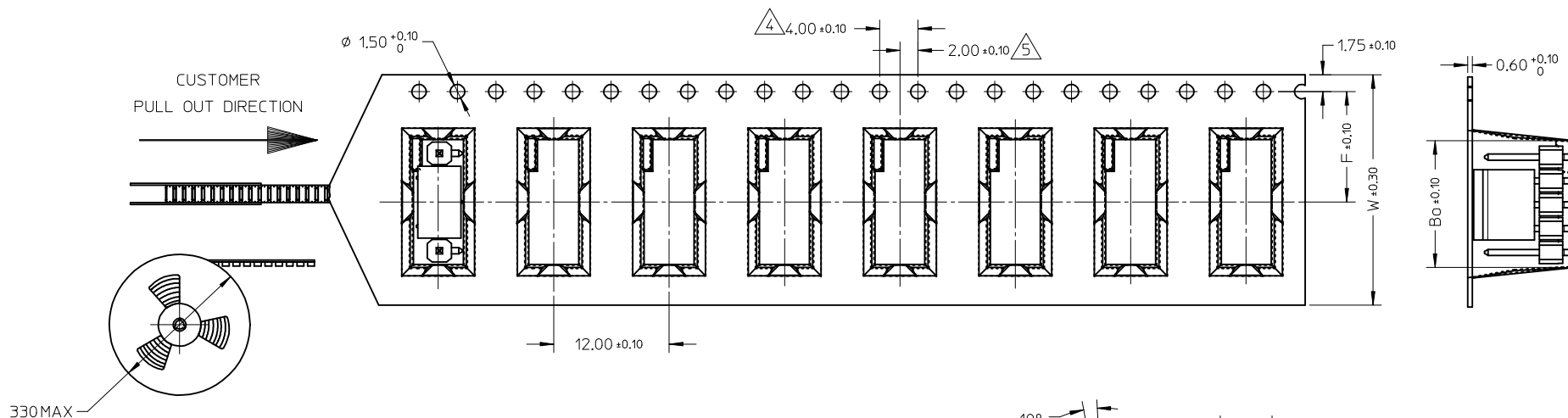
- MATERIAL: BLACK P.S CONDUCTIVE, BLACK
- MEASURED FROM CENTRELINE OF SPROCKET HOLE TO CENTRELINE OF SPOCKET
- CUMULATIVE TOLERANCE OF 10 SPROCKET HOLE IS  $\pm 0.20\text{mm}$
- A0 AND B0 ARE MEASURED FROM ABOVE POCKET BASE 0.30mm
- TAPE AND REEL SPECIFICATION IS AS PER EIA-481.
- TAPE AND REEL QUANTITY : 440PCS/REEL
- THE TAPE IS TREATED FOR ANTI-STATIC.
- ALL RADIUS ARE 0.30MM UNLESS SPECIFY
- SURFACE RESISTIVITY  $10^3$  TO  $10^9$  OHMS.

### PART PACK IN E/TAPE ORIENTATION (FOR REF USE)

|                                                                                                                             |     |             |                 |                                                            |       |                            |                      |                                                                                                                                                                                          |                        |                                                                                                                 |                    |
|-----------------------------------------------------------------------------------------------------------------------------|-----|-------------|-----------------|------------------------------------------------------------|-------|----------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------|
| SHT2.+87898-0315<br>EC NO: S2014-0976<br>DRWNATSEE<br>CHKD:FANNYWONG<br>APPR:BLEE<br>2014/04/14<br>2014/04/14<br>2014/09/11 | REV | DESCRIPTION | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |       | DIMENSION STYLE<br>MM ONLY |                      | SCALE<br>NTS                                                                                                                                                                             | DESIGN UNITS<br>METRIC |  THIRD ANGLE<br>PROJECTION |                    |
|                                                                                                                             |     |             |                 |                                                            |       | DRAWN BY<br>YLOIAO         | DATE<br>2005/03/14   | TITLE<br>CUSTOM HEADER<br>2.54MM PITCH SINGLE ROW<br>SINGLE WAFER SMT HEADER<br> MOLEX INCORPORATED |                        |                                                                                                                 |                    |
|                                                                                                                             |     |             |                 | 4 PLACES                                                   | ± --- | ± ---                      | CHECKED BY<br>PTLIM  |                                                                                                                                                                                          |                        |                                                                                                                 | DATE<br>2005/03/29 |
|                                                                                                                             |     |             |                 | 3 PLACES                                                   | ± --- | ± ---                      |                      |                                                                                                                                                                                          |                        |                                                                                                                 |                    |
|                                                                                                                             |     |             |                 | 2 PLACES                                                   | ± 0.2 | ± ---                      |                      |                                                                                                                                                                                          |                        |                                                                                                                 |                    |
|                                                                                                                             |     |             |                 | 1 PLACE                                                    | ± --- | ± ---                      | APPROVED BY<br>MLONG | DATE<br>2010/10/04                                                                                                                                                                       |                        |                                                                                                                 |                    |
| B12                                                                                                                         |     |             |                 | ANGULAR ± 3 °                                              |       | MATERIAL NO.<br>SEE TABLE  |                      | DOCUMENT NO.<br>SD-87898-001                                                                                                                                                             |                        | SHEET NO.<br>17 OF 20                                                                                           |                    |
|                                                                                                                             |     |             |                 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | SIZE<br>A3                 |                      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION                                                         |                        |                                                                                                                 |                    |
|                                                                                                                             |     |             |                 |                                                            |       |                            |                      |                                                                                                                                                                                          |                        |                                                                                                                 |                    |

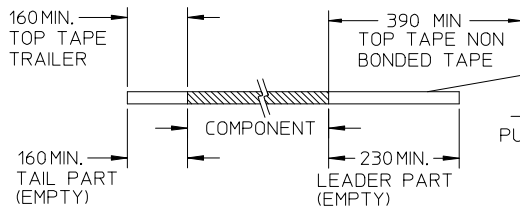
10 9 8 7 6 5 4 3 2 1

| CKT | DIMENSION |      |       |       |       |
|-----|-----------|------|-------|-------|-------|
|     | Bo        | Ao   | Ko    | F     | W     |
| 5   | 13.10     | 5.20 | 11.30 | 11.50 | 24.00 |

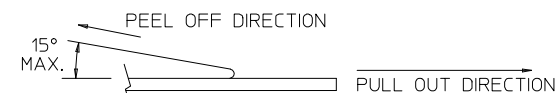


#### NOTES:

##### 1. LEADER AND TRAILER TAPE



##### 2. PEELING OFF FORCE OF THE TOP TAPE: 20 - 80gf. (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



3. MATERIAL: BLACK P.S CONDUCTIVE, BLACK
4. MEASURED FROM CENTRELINE OF SPROCKET HOLE TO CENTRELINE OF SPOCKET
5. CUMULATIVE TOLERANCE OF 10 SPROCKET HOLE IS  $\pm 0.20\text{mm}$
6. A0 AND B0 ARE MEASURED FROM ABOVE SPOCKET BASE  $0.30\text{mm}$
7. TAPE AND REEL SPECIFICATION IS AS PER EIA-481.
8. TAPE AND REEL QUANTITY : 440PCS/REEL
9. THE TAPE IS TREATED FOR ANTI-STATIC.
10. ALL RADIUS ARE  $0.30\text{mm}$  UNLESS SPECIFY
11. SURFACE RESISTIVITY  $10^3$  TO  $10^9$  OHMS.

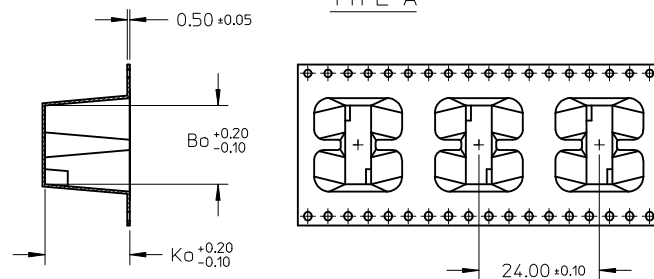
**PART PACK  
IN E/TAPE  
ORIENTATION  
(FOR REF USE)**

|                                                                                 |     |                                                      |             |                                                                                                                                                                                     |                                       |                                                                                                                               |                   |           |                                                                              |              |                        |
|---------------------------------------------------------------------------------|-----|------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------|------------------------------------------------------------------------------|--------------|------------------------|
| SHT2.+87898-0315<br>EC NO: S204-0976<br>DRWN:ATSE<br>CHKD:FANNYONG<br>APPR:LBEE |     | 2014/04/14<br>2014/04/14<br>2014/04/14<br>2014/09/11 | DESCRIPTION | QUALITY SYMBOLS                                                                                                                                                                     | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                                                                                                               | DIMENSION STYLE   |           | SCALE                                                                        | DESIGN UNITS | THIRD ANGLE PROJECTION |
|                                                                                 |     |                                                      |             |                                                                                                                                                                                     |                                       |                                                                                                                               | MM ONLY           |           | NTS                                                                          | METRIC       |                        |
| REV                                                                             | B12 |                                                      |             | <div><div>F</div><div>A</div><div>=</div><div>0</div></div> <div><div>F</div><div>C</div><div>=</div><div>0</div></div> <div><div>F</div><div>P</div><div>=</div><div>0</div></div> |                                       |                                                                                                                               | DRAWN BY DATE     |           | TITLE<br>CUSTOM HEADER<br>2.54MM PITCH SINGLE ROW<br>SINGLE WAFER SMT HEADER |              |                        |
|                                                                                 |     |                                                      |             |                                                                                                                                                                                     | 4 PLACES ± --- ± ---                  |                                                                                                                               | YLO1A0 2005/03/14 |           |                                                                              |              |                        |
|                                                                                 |     |                                                      |             |                                                                                                                                                                                     | 3 PLACES ± --- ± ---                  |                                                                                                                               | CHECKED BY DATE   |           | MOLEX MOLEX INCORPORATED                                                     |              |                        |
|                                                                                 |     |                                                      |             |                                                                                                                                                                                     | 2 PLACES ± 0.2 ± ---                  |                                                                                                                               | PTLIM 2005/03/29  |           |                                                                              |              |                        |
|                                                                                 |     |                                                      |             |                                                                                                                                                                                     | 1 PLACE ± --- ± ---                   |                                                                                                                               | APPROVED BY DATE  |           |                                                                              |              |                        |
| ANGULAR ± 3 °                                                                   |     | MLONG 2010/10/04                                     |             | MATERIAL NO.                                                                                                                                                                        |                                       | DOCUMENT NO.                                                                                                                  |                   | SHEET NO. |                                                                              |              |                        |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                            |     |                                                      |             | SEE TABLE                                                                                                                                                                           |                                       | SD-87898-001                                                                                                                  |                   | 18 OF 20  |                                                                              |              |                        |
|                                                                                 |     |                                                      |             | SIZE A3                                                                                                                                                                             |                                       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                   |           |                                                                              |              |                        |

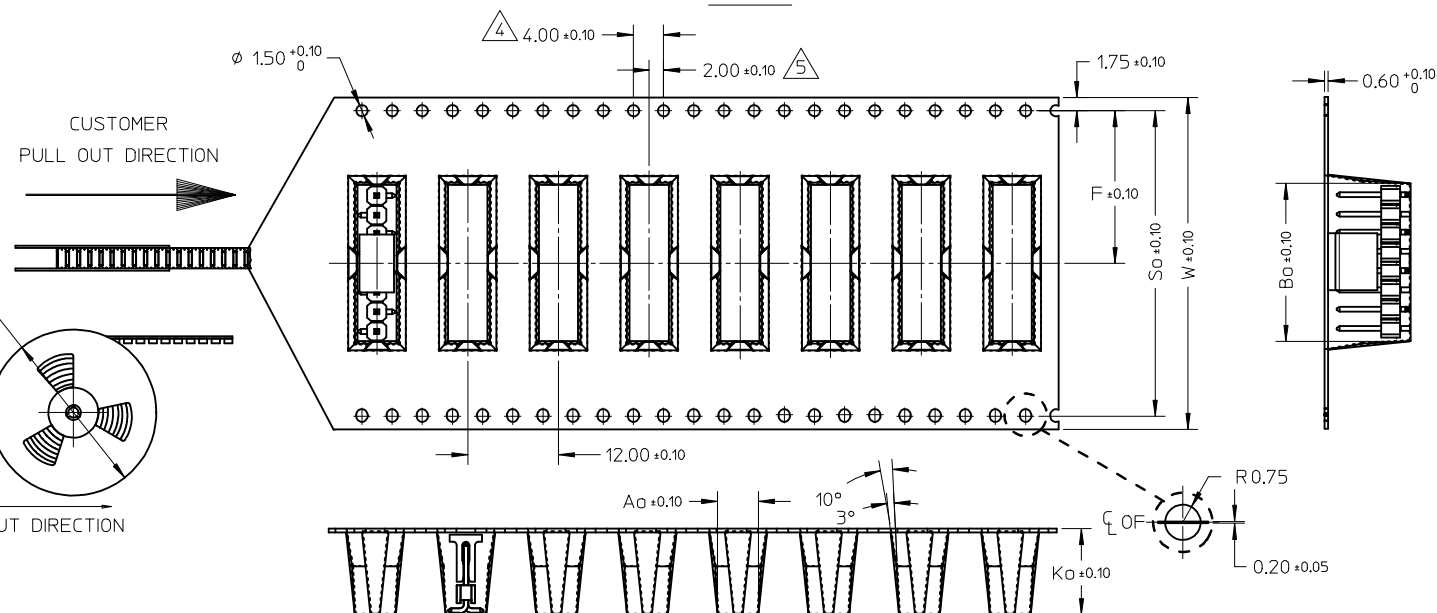
10 9 8 7 6 5 4 3 2 1

| CKT | DIMENSION |       |       |      |       |       |       | TYPE | QTY/ REEL |
|-----|-----------|-------|-------|------|-------|-------|-------|------|-----------|
|     | M         | Bo    | So    | Ao   | Ko    | F     | W     |      |           |
| 6   | 11.50     | 15.65 | 28.40 | 5.20 | 16.90 | 14.20 | 32.00 | A    | 150       |
| 6   | 5.84      | 15.65 | 28.40 | 5.20 | 11.30 | 14.20 | 32.00 | B    | 440       |
| 8   |           | 20.70 | 40.40 | 5.20 | 11.30 | 20.20 | 44.00 |      |           |
| 10  |           | 25.80 | 40.40 | 5.20 | 11.30 | 20.20 | 44.00 |      |           |
| 12  |           | 30.90 | 52.40 | 5.20 | 11.30 | 26.20 | 56.00 |      |           |
| 14  |           | 35.95 | 52.40 | 5.20 | 11.30 | 26.20 | 56.00 |      |           |
| 16  |           | 41.05 | 52.40 | 5.20 | 11.30 | 26.20 | 56.00 |      |           |
| 18  |           | 46.20 | 68.40 | 5.20 | 11.30 | 34.20 | 72.00 |      |           |
| 20  |           | 51.20 | 68.40 | 5.20 | 11.30 | 34.20 | 72.00 |      |           |

TYPE A



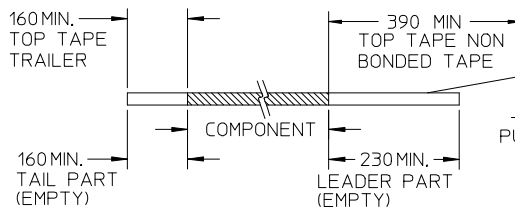
TYPE B



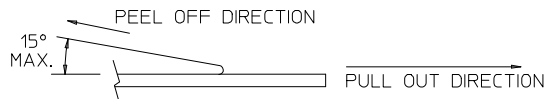
PART PACK IN E/TAPE ORIENTATION(FOR REF USE)

NOTES:

1. LEADER AND TRAILER TAPE



2. PEELING OFF FORCE OF THE TOP TAPE: 20 - 80gf. (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



3. MATERIAL: BLACK P.S CONDUCTIVE, BLACK

4. MEASURED FROM CENTRELINE OF SPROCKET HOLE TO CENTRELINE OF SPOCKET

5. CUMULATIVE TOLERANCE OF 10 SPROCKET HOLE IS ±0.20mm

6. AO AND BO ARE MEASURED FROM ABOVE POCKET BASE 0.30mm

7. TAPE AND REEL SPECIFICATION IS AS PER EIA-481.

8. TAPE AND REEL QUANTITY : SEE TABLE

9. THE TAPE IS TREATED FOR ANTI-STATIC.

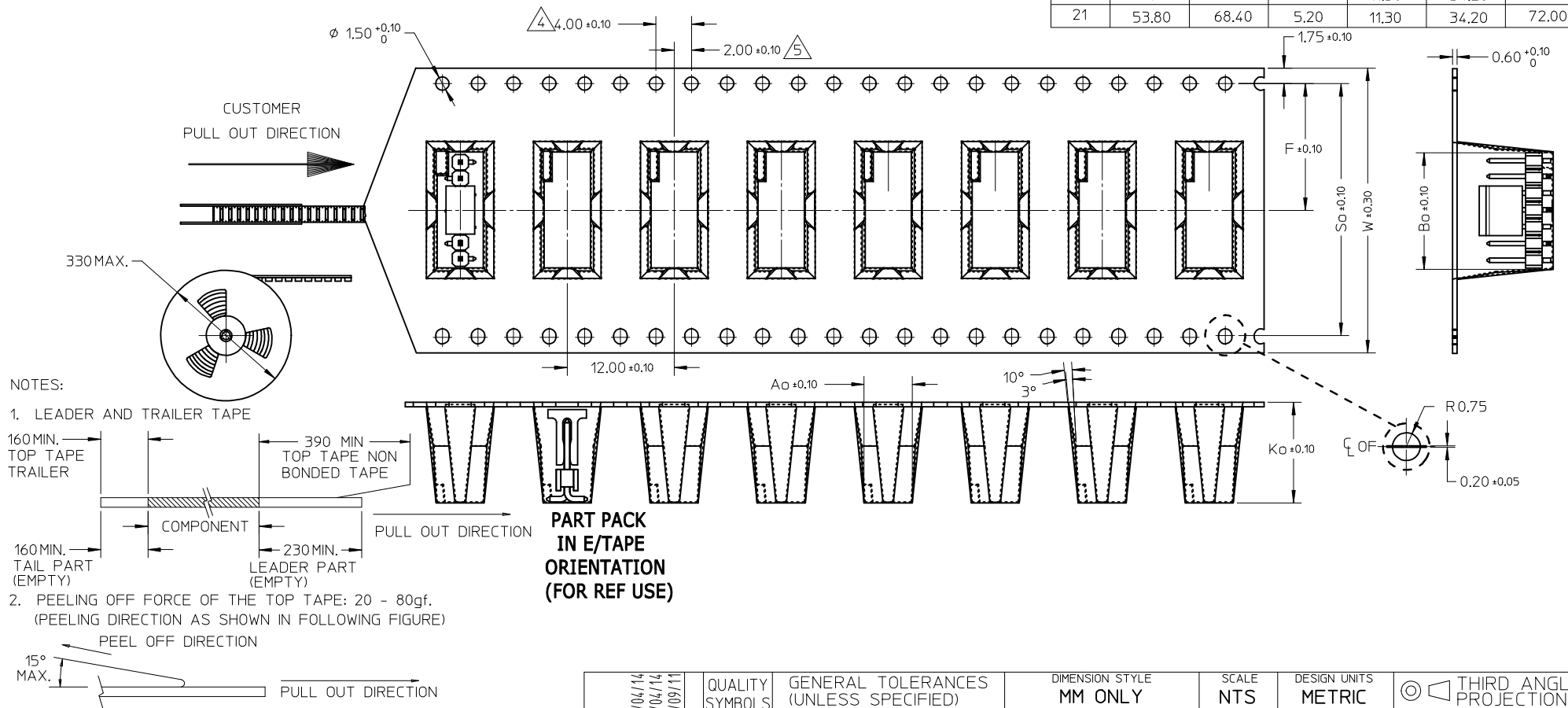
10. ALL RADIUS ARE 0.30MM UNLESS SPECIFY

11. SURFACE RESISTIVITY 10<sup>3</sup> TO 10 OHMS.

|                                                                                                                                  |                                        |             |                                                                          |                                       |       |                            |                           |                    |                                                                              |                           |                       |  |  |
|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------|--------------------------------------------------------------------------|---------------------------------------|-------|----------------------------|---------------------------|--------------------|------------------------------------------------------------------------------|---------------------------|-----------------------|--|--|
| SHT2.+87898-0315<br>EC NO: S2014-0976<br>DRAWN:ATSEE<br>CHK'D:FANNYWONG<br>APPR:LBLEE<br>REV<br>B12                              | 2014/04/14<br>2014/04/14<br>2014/09/11 | DESCRIPTION | QUALITY SYMBOLS<br><div>F A =0</div> <div>F C =0</div> <div>F P =0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED) |       | DIMENSION STYLE<br>MM ONLY |                           | SCALE<br>NTS       | DESIGN UNITS<br>METRIC                                                       | THIRD ANGLE<br>PROJECTION |                       |  |  |
|                                                                                                                                  |                                        |             |                                                                          |                                       | mm    | INCH                       | DRAWN BY<br>YLQIAO        | DATE<br>2005/03/14 | TITLE<br>CUSTOM HEADER<br>2.54MM PITCH SINGLE ROW<br>SINGLE WAFER SMT HEADER |                           |                       |  |  |
|                                                                                                                                  |                                        |             |                                                                          | 4 PLACES                              | ± --- | ± ---                      | CHECKED BY<br>PTL IM      | DATE<br>2005/03/29 |                                                                              |                           |                       |  |  |
|                                                                                                                                  |                                        |             |                                                                          | 3 PLACES                              | ± --- | ± ---                      | APPROVED BY<br>MLONG      | DATE<br>2010/10/04 |                                                                              |                           |                       |  |  |
|                                                                                                                                  |                                        |             |                                                                          | 2 PLACES                              | ± 0.2 | ± ---                      | MATERIAL NO.<br>SEE TABLE |                    | DOCUMENT NO.<br>SD-87898-001                                                 |                           | SHEET NO.<br>19 OF 20 |  |  |
|                                                                                                                                  |                                        |             |                                                                          | 1 PLACE                               | ± --- | ± ---                      |                           |                    |                                                                              |                           |                       |  |  |
|                                                                                                                                  |                                        |             |                                                                          | ANGULAR ± 3 °                         |       | MOLEX MOLEX INCORPORATED   |                           |                    |                                                                              |                           |                       |  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                       |                                        |             |                                                                          |                                       |       |                            |                           |                    |                                                                              |                           |                       |  |  |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                        |             |                                                                          |                                       |       |                            |                           |                    |                                                                              |                           |                       |  |  |

9 8 7 6 5 4 3 2 1

| CKT | DIMENSION |       |      |       |       |       |
|-----|-----------|-------|------|-------|-------|-------|
|     | Bo        | So    | Ao   | Ko    | F     | W     |
| 7   | 18.20     | 40.40 | 5.20 | 11.30 | 20.20 | 44.00 |
| 9   | 23.25     | 40.40 | 5.20 | 11.30 | 20.20 | 44.00 |
| 11  | 28.35     | 40.40 | 5.20 | 11.30 | 20.20 | 44.00 |
| 13  | 33.40     | 52.40 | 5.20 | 11.30 | 26.20 | 56.00 |
| 15  | 38.50     | 52.40 | 5.20 | 11.30 | 26.20 | 56.00 |
| 17  | 43.60     | 68.40 | 5.20 | 11.30 | 34.20 | 72.00 |
| 19  | 48.70     | 68.40 | 5.20 | 11.30 | 34.20 | 72.00 |
| 21  | 53.80     | 68.40 | 5.20 | 11.30 | 34.20 | 72.00 |



3. MATERIAL: BLACK P.S CONDUCTIVE, BLACK
4. MEASURED FROM CENTRELINE OF SPROCKET HOLE TO CENTRELINE OF SPOCKET
5. CUMULATIVE TOLERANCE OF 10 SPROCKET HOLE IS  $\pm 0.20\text{mm}$
6. A0 AND B0 ARE MEASURE FROM ABOVE POCKET BASE 0.30mm
7. TAPE AND REEL SPECIFICATION IS AS PER EIA-481.
8. TAPE AND REEL QUANTITY : 440PCS/REEL
9. THE TAPE IS TREATED FOR ANTI-STATIC.
10. ALL RADIUS ARE 0.30MM UNLESS SPECIFY
11. SURFACE RESISTIVITY  $10^3$  TO  $10^9$  OHMS.

|                                                                                                                               |                                                                                                                               |                                                                                                              |                                                                                             |    |                            |                     |                                                                                                          |                                                                              |                                                                                                              |  |  |
|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----|----------------------------|---------------------|----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--|--|
| SHT2-87898-0315<br>EC NO: SZ014-0976<br>DRAWN:ATSEE<br>CHKD:FANNYWONG<br>APPR:LBLEE<br>2014/04/14<br>2014/04/14<br>2014/09/11 | DESCRIPTION<br>B12                                                                                                            | QUALITY SYMBOLS<br><div><div>F<sub>A</sub>=0</div><div>F<sub>C</sub>=0</div><div>F<sub>P</sub>=0</div></div> | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                       |    | DIMENSION STYLE<br>MM ONLY |                     | SCALE<br>NTS                                                                                             | DESIGN UNITS<br>METRIC                                                       |  THIRD ANGLE PROJECTION |  |  |
|                                                                                                                               |                                                                                                                               |                                                                                                              |                                                                                             | mm | INCH                       | DRAWN BY<br>YLQIAO  | DATE<br>2005/03/14                                                                                       | TITLE<br>CUSTOM HEADER<br>2.54MM PITCH SINGLE ROW<br>SINGLE WAFER SMT HEADER |                                                                                                              |  |  |
|                                                                                                                               |                                                                                                                               |                                                                                                              | 4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.2 ± ---<br>1 PLACE ± --- ± --- |    |                            | CHECKED BY<br>PTLIM | DATE<br>2005/03/29                                                                                       |                                                                              |                                                                                                              |  |  |
|                                                                                                                               |                                                                                                                               |                                                                                                              | ANGULAR ± 3 °                                                                               |    | APPROVED BY<br>MLONG       | DATE<br>2010/10/04  |  MOLEX INCORPORATED |                                                                              |                                                                                                              |  |  |
|                                                                                                                               |                                                                                                                               |                                                                                                              | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                  |    | MATERIAL NO.<br>SEE TABLE  |                     | DOCUMENT NO.<br>SD-87898-001                                                                             |                                                                              | SHEET NO.<br>20 OF 20                                                                                        |  |  |
|                                                                                                                               | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                                              |                                                                                             |    |                            |                     |                                                                                                          |                                                                              |                                                                                                              |  |  |



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.