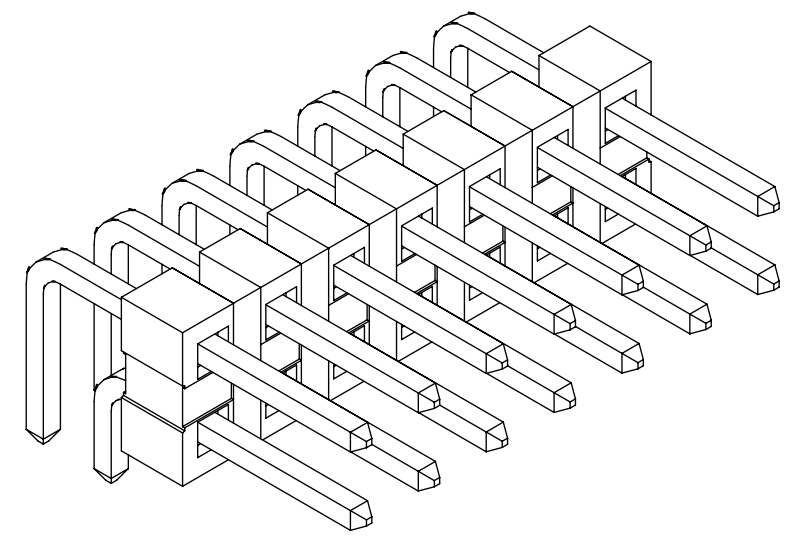
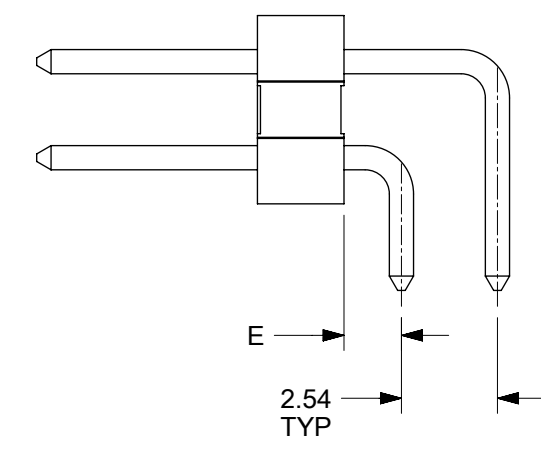
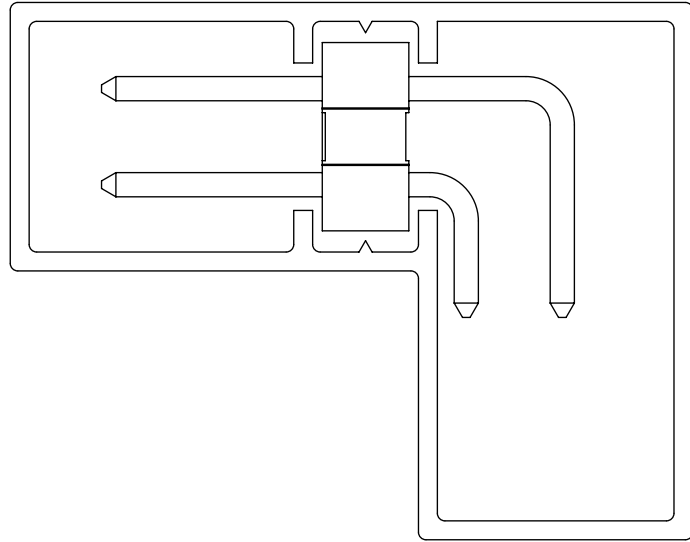


RECOMMENDED PCB HOLE LAYOUT



- NOTES:**
- MATERIAL:**  
HOUSING: LCP, GLASS-FILLED, UL94V-0,  
COLOR: BLACK  
TERMINAL: COPPER ALLOY 0.64mm SQ
  - PLATING TYPE:**
    - GOLD FLASH OVER  
50 MICRO INCHES MIN. NICKEL OVERALL.
    - 1 MICRO INCHES MIN. GOLD PLATE ON CONTACT AND  
75 MICRO INCHES MIN. TIN ON SOLDER TAIL OVER  
50 MICRO INCHES MIN. NICKEL OVERALL.
    - 10 MICRO INCHES MIN. GOLD PLATE ON CONTACT AND  
75 MICRO INCHES MIN. TIN ON SOLDER TAIL OVER  
50 MICRO INCHES MIN. NICKEL OVERALL.
    - 15 MICRO INCHES MIN. GOLD PLATE ON CONTACT AND  
75 MICRO INCHES MIN. TIN ON SOLDER TAIL OVER  
50 MICRO INCHES MIN. NICKEL OVERALL.
    - 30 MICRO INCHES MIN. GOLD PLATE ON CONTACT AND  
75 MICRO INCHES MIN. TIN ON SOLDER TAIL OVER  
50 MICRO INCHES MIN. NICKEL OVERALL.
    - 100 MICRO INCHES MIN. TIN IN SELECTED AREA OVER  
50 MICRO INCHES MIN. NICKEL OVERALL.
  - PIN PUSHOUT FORCE: 1KG MIN IN EITHER DIRECTION
  - THE ABOVE 14 CKT IS FOR ILLUSTRATION PURPOSE ONLY.
  - FOR PACKAGING OPTION PLEASE REFER TO THE TABLE.
  - IRREGULAR CIRCUIT CUTOFF WITHIN BREAKAWAY SECTION IS PERMISSIBLE. CUTTING OR CHIPPING OF THE MAIN BODY IS NOT ACCEPTABLE
  - RECOMMENDED PCB THICKNESS = 1.60±0.10mm
  - THE ABOVE CKT 14 IS FOR ILLUSTRATION PURPOSE ONLY
  - PRODUCT SPECIFICATION: PS-87920-019
  - PACKAGING SPECIFICATION: PK-89990-519  
PK-89990-520

|   |  |                        |  |  |  |
|---|--|------------------------|--|--|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  | CURRENT REV DESC:      |  | <b>molex</b>                             |  |
| DIMENSION UNITS   |  | SCALE                  |  |  |  |
| mm  |  | NTS                    |  | CUSTOM HEADER                            |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |  |                        |  | 2.54MM DUAL ROW HEADER SINGLE WAFER, R/A |  |
|   |  |                        |  | PRODUCT CUSTOMER DRAWING                 |  |
| 4 PLACES ±  |  | ±                      |  | DOCUMENT NUMBER                          |  |
| 3 PLACES ±  |  | ±                      |  | SD-87911-015                             |  |
| 2 PLACES ±  |  | 0.2 ±                  |  | DOC TYPE                                 |  |
| 1 PLACE ±   |  | ±                      |  | PSD                                      |  |
| 0 PLACES ±  |  | ±                      |  | DOC PART                                 |  |
| ANGULAR TOL ± 3.0°  |  |                        |  | 001                                      |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |  | THIRD ANGLE PROJECTION |  | REVISION                                 |  |
|   |  | DRAWING                |  | C3                                       |  |
|   |  | SERIES                 |  | SHEET NUMBER                             |  |
|   |  | A3-SIZE                |  | 1 OF 9                                   |  |
|   |  | 87911                  |  | MATERIAL NUMBER                          |  |
|   |  | SEE TABLE              |  | CUSTOMER                                 |  |
|   |  | GENERAL MARKET         |  |  |  |



PART IN TUBE ORIENTATION


| PACKAGING OPTION PART NO. |                  |               |             |          |               |              | DIMENSION |      |            |             |      |
|---------------------------|------------------|---------------|-------------|----------|---------------|--------------|-----------|------|------------|-------------|------|
| TRAY                      | TUBE WITHOUT CAP | TUBE WITH CAP | TAPE & REEL | CKT SIZE | VOID POSITION | PLATING TYPE | A         | B    | MATING END | SOLDER TAIL | E    |
|                           |                  |               |             |          |               |              |           |      | M          | P           |      |
| -----                     | 87911-0201       | -----         | -----       | 2        | -----         | 1            | 2.54      | ---- | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-0202       | -----         | -----       | 2        | -----         | 2            | 2.54      | ---- | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-0203       | -----         | -----       | 2        | -----         | 3            | 2.54      | ---- | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-0204       | -----         | -----       | 2        | -----         | 4            | 2.54      | ---- | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-0205       | -----         | -----       | 2        | -----         | 5            | 2.54      | ---- | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-0206       | -----         | -----       | 2        | -----         | 6            | 2.54      | ---- | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-0207       | -----         | -----       | 2        | -----         | 1            | 2.54      | ---- | 5.80       | 3.60        | 1.81 |
| -----                     | 87911-0401       | -----         | -----       | 4        | -----         | 1            | 5.08      | 2.54 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-0402       | -----         | -----       | 4        | -----         | 2            | 5.08      | 2.54 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-0403       | -----         | -----       | 4        | -----         | 3            | 5.08      | 2.54 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-0481       | -----         | -----       | 4        | -----         | 4            | 5.08      | 2.54 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-0405       | -----         | -----       | 4        | -----         | 5            | 5.08      | 2.54 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-0406       | -----         | -----       | 4        | -----         | 6            | 5.08      | 2.54 | 5.84       | 2.29        | 1.52 |
| 87911-0407                | -----            | -----         | -----       | 4        | -----         | 1            | 5.08      | 2.54 | 8.13       | 2.79        | 2.61 |
| 87911-0408                | -----            | -----         | -----       | 4        | -----         | 2            | 5.08      | 2.54 | 8.13       | 2.79        | 2.61 |
| 87911-0409                | -----            | -----         | -----       | 4        | -----         | 3            | 5.08      | 2.54 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-0414       | -----         | -----       | 4        | -----         | 1            | 5.08      | 2.54 | 5.80       | 3.60        | 1.81 |
| -----                     | 87911-0601       | -----         | -----       | 6        | -----         | 1            | 7.62      | 5.08 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-0602       | -----         | -----       | 6        | -----         | 2            | 7.62      | 5.08 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-0603       | -----         | -----       | 6        | -----         | 3            | 7.62      | 5.08 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-0604       | -----         | -----       | 6        | -----         | 4            | 7.62      | 5.08 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-0605       | -----         | -----       | 6        | -----         | 5            | 7.62      | 5.08 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-0606       | -----         | -----       | 6        | -----         | 6            | 7.62      | 5.08 | 5.84       | 2.29        | 1.52 |
| 87911-0607                | -----            | -----         | -----       | 6        | -----         | 1            | 7.62      | 5.08 | 8.13       | 2.79        | 2.61 |
| 87911-0608                | -----            | -----         | -----       | 6        | -----         | 2            | 7.62      | 5.08 | 8.13       | 2.79        | 2.61 |
| 87911-0609                | -----            | -----         | -----       | 6        | -----         | 3            | 7.62      | 5.08 | 8.13       | 2.79        | 2.61 |
| 87911-0614                | -----            | -----         | -----       | 6        | -----         | 2            | 7.62      | 5.08 | 9.60       | 5.00        | 2.61 |
| 87911-0615                | -----            | -----         | -----       | 6        | -----         | 2            | 7.62      | 5.08 | 10.83      | 5.00        | 1.72 |

|   |  |        |      |  |  |         |  |           |  |   |  |                            |                 |                        |
|---|--|--------|------|--|--|---------|--|-----------|--|---|--|----------------------------|-----------------|------------------------|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |        |      |  |  |         |  |           |  |   |  |                            |                 |                        |
| DIMENSION UNITS   |  | SCALE  |      | CURRENT REV DESC:  |  |         |  |           |  | <b>molex</b>  |  |                            |                 |                        |
| mm  |  | NTS    |      |  |  |         |  |           |  |   |  |                            |                 |                        |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |  |        |      | EC NO: 659393<br>DRWN: ABABUPS 2021/03/26<br>CHK'D: MRAMAKRISHNA 2021/03/30<br>APPR: MRAMAKRISHNA 2021/03/30 |  |         |  |           |  | CUSTOM HEADER<br>2.54MM DUAL ROW HEADER SINGLE WAFER, R/A |  |                            |                 |                        |
|   |  | MM     | INCH |  |  |         |  |           |  |   |  |                            |                 |                        |
| 4 PLACES  |  | ±      | ±    | INITIAL REVISION:<br>DRWN: KSEE 2004/11/30<br>APPR: SCLOW 2004/12/16   |  |         |  |           |  | DOCUMENT NUMBER<br><b>SD-87911-015</b>                    |  | DOC TYPE<br>PSD            | DOC PART<br>001 | REVISION<br>C3         |
| 3 PLACES  |  | ±      | ±    |  |  |         |  |           |  |   |  |                            |                 |                        |
| 2 PLACES  |  | ±      | 0.2  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS   |  |         |  |           |  | MATERIAL NUMBER<br>SEE TABLE                              |  | CUSTOMER<br>GENERAL MARKET |                 | SHEET NUMBER<br>2 OF 9 |
| 1 PLACE   |  | ±      | ±    |  |  |         |  |           |  |   |  |                            |                 |                        |
| 0 PLACES  |  | ±      | ±    | THIRD ANGLE PROJECTION   |  | DRAWING |  | SERIES    |  | CUSTOMER  |  | SHEET NUMBER               |                 |                        |
| ANGULAR TOL   |  | ± 3.0° |      | A3-SIZE  |  | 87911   |  | SEE TABLE |  | GENERAL MARKET  |  | 2 OF 9                     |                 |                        |

| PACKAGING OPTION PART NO. |                  |               |             | DIMENSION |               |              |       |       |            |             |      |
|---------------------------|------------------|---------------|-------------|-----------|---------------|--------------|-------|-------|------------|-------------|------|
| TRAY                      | TUBE WITHOUT CAP | TUBE WITH CAP | TAPE & REEL | CKT SIZE  | VOID POSITION | PLATING TYPE | A     | B     | MATING END | SOLDER TAIL | E    |
|                           |                  |               |             |           |               |              |       |       | M          | P           |      |
| -----                     | 87911-0801       | -----         | -----       | 8         | -----         | 1            | 10.16 | 7.62  | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-0802       | -----         | -----       | 8         | -----         | 2            | 10.16 | 7.62  | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-0803       | -----         | -----       | 8         | -----         | 3            | 10.16 | 7.62  | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-0804       | -----         | -----       | 8         | -----         | 4            | 10.16 | 7.62  | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-0805       | -----         | -----       | 8         | -----         | 5            | 10.16 | 7.62  | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-0806       | -----         | -----       | 8         | -----         | 6            | 10.16 | 7.62  | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-0807       | -----         | -----       | 8         | -----         | 1            | 10.16 | 7.62  | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-0808       | -----         | -----       | 8         | -----         | 2            | 10.16 | 7.62  | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-0809       | -----         | -----       | 8         | -----         | 3            | 10.16 | 7.62  | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-0800       | -----         | -----       | 8         | -----         | 1            | 10.16 | 7.62  | 6.10       | 2.79        | 2.29 |
| -----                     | 87911-0814       | -----         | -----       | 8         | -----         | 1            | 10.16 | 7.62  | 5.80       | 3.60        | 1.81 |
| -----                     | 87911-1001       | -----         | -----       | 10        | -----         | 1            | 12.70 | 10.16 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1002       | -----         | -----       | 10        | -----         | 2            | 12.70 | 10.16 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1003       | -----         | -----       | 10        | -----         | 3            | 12.70 | 10.16 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1004       | -----         | -----       | 10        | -----         | 4            | 12.70 | 10.16 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1005       | -----         | -----       | 10        | -----         | 5            | 12.70 | 10.16 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1006       | -----         | -----       | 10        | -----         | 6            | 12.70 | 10.16 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1007       | -----         | -----       | 10        | -----         | 1            | 12.70 | 10.16 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-1008       | -----         | -----       | 10        | -----         | 2            | 12.70 | 10.16 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-1009       | -----         | -----       | 10        | -----         | 3            | 12.70 | 10.16 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-1015       | -----         | -----       | 10        | -----         | 5            |       |       |            |             |      |
| 87911-1016                | -----            | -----         | -----       | 10        | -----         | 5            | 12.70 | 10.16 | 2.46       | 2.46        | 1.52 |
| -----                     | 87911-1017       | -----         | -----       | 10        | -----         | 5            | 12.70 | 10.16 | 8.80       | 3.18        | 2.59 |
| 87911-1019                | -----            | -----         | -----       | 10        | -----         | 1            | 12.70 | 10.16 | 3.00       | 10.00       | 2.12 |
| -----                     | 87911-1201       | -----         | -----       | 12        | -----         | 1            | 15.24 | 12.70 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1202       | -----         | -----       | 12        | -----         | 2            | 15.24 | 12.70 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1203       | -----         | -----       | 12        | -----         | 3            | 15.24 | 12.70 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1204       | -----         | -----       | 12        | -----         | 4            | 15.24 | 12.70 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1205       | -----         | -----       | 12        | -----         | 5            | 15.24 | 12.70 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1206       | -----         | -----       | 12        | -----         | 6            | 15.24 | 12.70 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1207       | -----         | -----       | 12        | -----         | 1            | 15.24 | 12.70 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-1208       | -----         | -----       | 12        | -----         | 2            | 15.24 | 12.70 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-1209       | -----         | -----       | 12        | -----         | 3            | 15.24 | 12.70 | 8.13       | 2.79        | 2.61 |
| 87911-1215                | -----            | -----         | -----       | 12        | -----         | 2            | 15.24 | 12.70 | 11.57      | 4.47        | 4.43 |

| PACKAGING OPTION PART NO. |                  |               |             | DIMENSION |                           |              |       |       |            |             |      |
|---------------------------|------------------|---------------|-------------|-----------|---------------------------|--------------|-------|-------|------------|-------------|------|
| TRAY                      | TUBE WITHOUT CAP | TUBE WITH CAP | TAPE & REEL | CKT SIZE  | VOID POSITION             | PLATING TYPE | A     | B     | MATING END | SOLDER TAIL | E    |
|                           |                  |               |             |           |                           |              |       |       | M          | P           |      |
| -----                     | 87911-1401       | -----         | -----       | 14        | -----                     | 1            | 17.78 | 15.24 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1402       | -----         | -----       | 14        | -----                     | 2            | 17.78 | 15.24 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1403       | -----         | -----       | 14        | -----                     | 3            | 17.78 | 15.24 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1404       | -----         | -----       | 14        | -----                     | 4            | 17.78 | 15.24 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1405       | -----         | -----       | 14        | -----                     | 5            | 17.78 | 15.24 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1406       | -----         | -----       | 14        | -----                     | 6            | 17.78 | 15.24 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1407       | -----         | -----       | 14        | -----                     | 1            | 17.78 | 15.24 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-1408       | -----         | -----       | 14        | -----                     | 2            | 17.78 | 15.24 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-1409       | -----         | -----       | 14        | -----                     | 3            | 17.78 | 15.24 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-1600       | -----         | -----       | 16        | -----                     | 5            | 20.32 | 17.78 | 4.00       | 4.50        | 1.52 |
| -----                     | 87911-1601       | -----         | -----       | 16        | -----                     | 1            | 20.32 | 17.78 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1602       | -----         | -----       | 16        | -----                     | 2            | 20.32 | 17.78 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1603       | -----         | -----       | 16        | -----                     | 3            | 20.32 | 17.78 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1604       | -----         | -----       | 16        | -----                     | 4            | 20.32 | 17.78 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1605       | -----         | -----       | 16        | -----                     | 5            | 20.32 | 17.78 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1606       | -----         | -----       | 16        | -----                     | 6            | 20.32 | 17.78 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1607       | -----         | -----       | 16        | -----                     | 1            | 20.32 | 17.78 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-1608       | -----         | -----       | 16        | -----                     | 2            | 20.32 | 17.78 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-1609       | -----         | -----       | 16        | -----                     | 3            | 20.32 | 17.78 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-1614       | -----         | -----       | 16        | -----                     | 5            | 20.32 | 17.78 | 3.35       | 2.34        | 1.52 |
| -----                     | 87911-1615       | -----         | -----       | 16        | -----                     | 4            | 20.32 | 17.78 | 3.35       | 2.34        | 1.52 |
| -----                     | -----            | -----         | 87911-1617  | 16        | CKT 3, 4, 7, 8<br>11 & 12 | 4            | 20.32 | 17.78 | 6.10       | 2.00        | 2.61 |
| -----                     | 87911-1801       | -----         | -----       | 18        | -----                     | 1            | 22.86 | 20.32 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1802       | -----         | -----       | 18        | -----                     | 2            | 22.86 | 20.32 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1803       | -----         | -----       | 18        | -----                     | 3            | 22.86 | 20.32 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1804       | -----         | -----       | 18        | -----                     | 4            | 22.86 | 20.32 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1805       | -----         | -----       | 18        | -----                     | 5            | 22.86 | 20.32 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1806       | -----         | -----       | 18        | -----                     | 6            | 22.86 | 20.32 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-1807       | -----         | -----       | 18        | -----                     | 1            | 22.86 | 20.32 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-1808       | -----         | -----       | 18        | -----                     | 2            | 22.86 | 20.32 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-1809       | -----         | -----       | 18        | -----                     | 3            | 22.86 | 20.32 | 8.13       | 2.79        | 2.61 |

DOCUMENT STATUS | P1 | RELEASE DATE | 2021/03/30 | 04:03:52

|   |  |       |  |  |  |                        |  |  |  |   |  |                |  |          |  |          |  |
|---|--|-------|--|--|--|------------------------|--|--|--|---|--|----------------|--|----------|--|----------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |       |  |  |  |                        |  |  |  |   |  |                |  |          |  |          |  |
| DIMENSION UNITS   |  | SCALE |  | CURRENT REV DESC:                                    |  |                        |  |  |  |  |  |                |  |          |  |          |  |
| mm  |  | NTS   |  |  |  |                        |  |  |  |   |  |                |  |          |  |          |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |  |       |  | MM   |  | INCH                   |  | EC NO: 659393<br>DRWN: ABABUPS 2021/03/26<br>CHK'D: MRAMAKRISHNA 2021/03/30<br>APPR: MRAMAKRISHNA 2021/03/30 |  |   |  |                |  |          |  |          |  |
| 4 PLACES  |  | ±     |  | ±  |  | ±                      |  | INITIAL REVISION:<br>DRWN: KSEE 2004/11/30<br>APPR: SCLOW 2004/12/16   |  |   |  |                |  |          |  |          |  |
| 3 PLACES  |  | ±     |  | ±  |  | ±                      |  | DOCUMENT NUMBER  |  |   |  | DOC TYPE       |  | DOC PART |  | REVISION |  |
| 2 PLACES  |  | ±     |  | 0.2  |  | ±                      |  | SD-87911-015   |  |   |  | PSD            |  | 001      |  | C3       |  |
| 1 PLACE   |  | ±     |  | ±  |  | ±                      |  | MATERIAL NUMBER  |  |   |  | CUSTOMER       |  |          |  |          |  |
| 0 PLACES  |  | ±     |  | ±  |  | ±                      |  | SEE TABLE  |  |   |  | GENERAL MARKET |  |          |  |          |  |
| ANGULAR TOL ± 3.0°  |  |       |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  | THIRD ANGLE PROJECTION |  | DRAWING  |  | SERIES  |  | SHEET NUMBER   |  |          |  |          |  |
|   |  |       |  |  |  | A3-SIZE                |  | 87911  |  | 3 OF 9  |  |                |  |          |  |          |  |


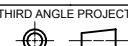
| PACKAGING OPTION PART NO. |                  |               |             | CKT SIZE | VOID POSITION                | PLATING TYPE | DIMENSION |       |            |             |      |
|---------------------------|------------------|---------------|-------------|----------|------------------------------|--------------|-----------|-------|------------|-------------|------|
| TRAY                      | TUBE WITHOUT CAP | TUBE WITH CAP | TAPE & REEL |          |                              |              | A         | B     | MATING END | SOLDER TAIL | E    |
|                           |                  |               |             |          |                              |              |           |       | M          | P           |      |
| -----                     | 87911-2001       | -----         | -----       | 20       | -----                        | 1            | 25.40     | 22.86 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2002       | -----         | -----       | 20       | -----                        | 2            | 25.40     | 22.86 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2003       | -----         | -----       | 20       | -----                        | 3            | 25.40     | 22.86 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2004       | -----         | -----       | 20       | -----                        | 4            | 25.40     | 22.86 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2005       | -----         | -----       | 20       | -----                        | 5            | 25.40     | 22.86 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2006       | -----         | -----       | 20       | -----                        | 6            | 25.40     | 22.86 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2007       | -----         | -----       | 20       | -----                        | 1            | 25.40     | 22.86 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-2008       | -----         | -----       | 20       | -----                        | 2            | 25.40     | 22.86 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-2009       | -----         | -----       | 20       | -----                        | 3            | 25.40     | 22.86 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-2017<br>C2 | -----         | -----       | 20       | CKT 5,6,7,8,13,<br>14,15 &16 | 4            | 25.40     | 22.86 | 7.85       | 2.90        | 2.08 |
| -----                     | 87911-2201       | -----         | -----       | 22       | -----                        | 1            | 27.94     | 25.40 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2202       | -----         | -----       | 22       | -----                        | 2            | 27.94     | 25.40 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2203       | -----         | -----       | 22       | -----                        | 3            | 27.94     | 25.40 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2204       | -----         | -----       | 22       | -----                        | 4            | 27.94     | 25.40 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2205       | -----         | -----       | 22       | -----                        | 5            | 27.94     | 25.40 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2206       | -----         | -----       | 22       | -----                        | 6            | 27.94     | 25.40 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2207       | -----         | -----       | 22       | -----                        | 1            | 27.94     | 25.40 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-2208       | -----         | -----       | 22       | -----                        | 2            | 27.94     | 25.40 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-2209       | -----         | -----       | 22       | -----                        | 3            | 27.94     | 25.40 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-2401       | -----         | -----       | 24       | -----                        | 1            | 30.48     | 27.94 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2402       | -----         | -----       | 24       | -----                        | 2            | 30.48     | 27.94 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2403       | -----         | -----       | 24       | -----                        | 3            | 30.48     | 27.94 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2404       | -----         | -----       | 24       | -----                        | 4            | 30.48     | 27.94 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2405       | -----         | -----       | 24       | -----                        | 5            | 30.48     | 27.94 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2406       | -----         | -----       | 24       | -----                        | 6            | 30.48     | 27.94 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2407       | -----         | -----       | 24       | -----                        | 1            | 30.48     | 27.94 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-2408       | -----         | -----       | 24       | -----                        | 2            | 30.48     | 27.94 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-2409       | -----         | -----       | 24       | -----                        | 3            | 30.48     | 27.94 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-2414       | -----         | -----       | 24       | -----                        | 5            | 30.48     | 27.94 | 3.35       | 2.34        | 1.52 |
| -----                     | 87911-2415       | -----         | -----       | 24       | -----                        | 4            | 30.48     | 27.94 | 3.35       | 2.34        | 1.52 |

| PACKAGING OPTION PART NO. |                  |               |             | CKT SIZE | VOID POSITION | PLATING TYPE | DIMENSION |       |            |             |      |
|---------------------------|------------------|---------------|-------------|----------|---------------|--------------|-----------|-------|------------|-------------|------|
| TRAY                      | TUBE WITHOUT CAP | TUBE WITH CAP | TAPE & REEL |          |               |              | A         | B     | MATING END | SOLDER TAIL | E    |
|                           |                  |               |             |          |               |              |           |       | M          | P           |      |
| -----                     | 87911-2601       | -----         | -----       | 26       | -----         | 1            | 33.02     | 30.48 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2602       | -----         | -----       | 26       | -----         | 2            | 33.02     | 30.48 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2603       | -----         | -----       | 26       | -----         | 3            | 33.02     | 30.48 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2604       | -----         | -----       | 26       | -----         | 4            | 33.02     | 30.48 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2605       | -----         | -----       | 26       | -----         | 5            | 33.02     | 30.48 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2606       | -----         | -----       | 26       | -----         | 6            | 33.02     | 30.48 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2607       | -----         | -----       | 26       | -----         | 1            | 33.02     | 30.48 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-2608       | -----         | -----       | 26       | -----         | 2            | 33.02     | 30.48 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-2609       | -----         | -----       | 26       | -----         | 3            | 33.02     | 30.48 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-2610       | -----         | -----       | 26       | -----         | 3            | 33.02     | 30.48 | 4.00       | 2.79        | 1.32 |
| -----                     | 87911-2801       | -----         | -----       | 28       | -----         | 1            | 35.56     | 33.02 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2802       | -----         | -----       | 28       | -----         | 2            | 35.56     | 33.02 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2803       | -----         | -----       | 28       | -----         | 3            | 35.56     | 33.02 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2804       | -----         | -----       | 28       | -----         | 4            | 35.56     | 33.02 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2805       | -----         | -----       | 28       | -----         | 5            | 35.56     | 33.02 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2806       | -----         | -----       | 28       | -----         | 6            | 35.56     | 33.02 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-2807       | -----         | -----       | 28       | -----         | 1            | 35.56     | 33.02 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-2808       | -----         | -----       | 28       | -----         | 2            | 35.56     | 33.02 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-2809       | -----         | -----       | 28       | -----         | 3            | 35.56     | 33.02 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-2810<br>C2 | -----         | -----       | 28       | CKT 5,6,11&12 | 4            | 25.40     | 22.86 | 7.85       | 2.90        | 2.08 |
| -----                     | 87911-3001       | -----         | -----       | 30       | -----         | 1            | 38.10     | 35.56 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3002       | -----         | -----       | 30       | -----         | 2            | 38.10     | 35.56 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3003       | -----         | -----       | 30       | -----         | 3            | 38.10     | 35.56 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3004       | -----         | -----       | 30       | -----         | 4            | 38.10     | 35.56 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3005       | -----         | -----       | 30       | -----         | 5            | 38.10     | 35.56 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3006       | -----         | -----       | 30       | -----         | 6            | 38.10     | 35.56 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3007       | -----         | -----       | 30       | -----         | 1            | 38.10     | 35.56 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-3008       | -----         | -----       | 30       | -----         | 2            | 38.10     | 35.56 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-3009       | -----         | -----       | 30       | -----         | 3            | 38.10     | 35.56 | 8.13       | 2.79        | 2.61 |

|  |  |                     |  |  |  |  |  |   |                           |                        |                              |   |                        |
|--|--|---------------------|--|--|--|--|--|---|---------------------------|------------------------|------------------------------|---|------------------------|
| <p>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</p> |  |                     |  |  |  |  |  |   |                           |                        |                              |   |                        |
| DIMENSION UNITS<br><b>mm</b>   |  | SCALE<br><b>NTS</b> |  | CURRENT REV DESC:  |  |  |  |                            |                           |                        |                              |   |                        |
| GENERAL TOLERANCES (UNLESS SPECIFIED)  |  |                     |  | EC NO: 659393<br>DRWN: ABABUPS 2021/03/26<br>CHK'D: MRAMAKRISHNA 2021/03/30<br>APPR: MRAMAKRISHNA 2021/03/30 |  |  |  |   |                           |                        |                              | CUSTOM HEADER<br>2.54MM DUAL ROW HEADER SINGLE WAFER, R/A |                        |
| 4 PLACES ±   |  | MM INCH             |  | INITIAL REVISION:  |  |  |  | PRODUCT CUSTOMER DRAWING  |                           |                        |                              |   |                        |
| 3 PLACES ±   |  | 0.2 ±               |  | DRWN: KSEE 2004/11/30<br>APPR: SCLOW 2004/12/16  |  |  |  | DOCUMENT NUMBER<br><b>SD-87911-015</b>  |                           | DOC TYPE<br><b>PSD</b> | DOC PART<br><b>001</b>       | REVISION<br><b>C3</b>                                     |                        |
| 2 PLACES ±   |  | 3.0° ±              |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS   |  |  |  | THIRD ANGLE PROJECTION<br> | DRAWING<br><b>A3-SIZE</b> | SERIES<br><b>87911</b> | MATERIAL NUMBER<br>SEE TABLE | CUSTOMER<br>GENERAL MARKET                                | SHEET NUMBER<br>4 OF 9 |
| DOCUMENT STATUS   P1   RELEASE DATE   2021/03/30 04:03:52  |  |                     |  |  |  |  |  |   |                           |                        |                              |   |                        |


| 9                         |                  | 8             |             |          | 7             |              | 6         |       |            |             |      | 5                         | 4                |               |             |          | 3             |              | 2         |       | 1          |             |      |
|---------------------------|------------------|---------------|-------------|----------|---------------|--------------|-----------|-------|------------|-------------|------|---------------------------|------------------|---------------|-------------|----------|---------------|--------------|-----------|-------|------------|-------------|------|
| PACKAGING OPTION PART NO. |                  |               |             |          |               |              | DIMENSION |       |            |             |      | PACKAGING OPTION PART NO. |                  |               |             |          |               |              | DIMENSION |       |            |             |      |
| TRAY                      | TUBE WITHOUT CAP | TUBE WITH CAP | TAPE & REEL | CKT SIZE | VOID POSITION | PLATING TYPE | A         | B     | MATING END | SOLDER TAIL | E    | TRAY                      | TUBE WITHOUT CAP | TUBE WITH CAP | TAPE & REEL | CKT SIZE | VOID POSITION | PLATING TYPE | A         | B     | MATING END | SOLDER TAIL | E    |
|                           |                  |               |             |          |               |              |           |       | M          | P           |      |                           |                  |               |             |          |               |              |           |       | M          | P           |      |
| -----                     | 87911-3201       | -----         | -----       | 32       | -----         | 1            | 40.64     | 38.10 | 5.84       | 2.29        | 1.52 | -----                     | 87911-3801       | -----         | -----       | 38       | -----         | 1            | 48.26     | 45.72 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3202       | -----         | -----       | 32       | -----         | 2            | 40.64     | 38.10 | 5.84       | 2.29        | 1.52 | -----                     | 87911-3802       | -----         | -----       | 38       | -----         | 2            | 48.26     | 45.72 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3203       | -----         | -----       | 32       | -----         | 3            | 40.64     | 38.10 | 5.84       | 2.29        | 1.52 | -----                     | 87911-3803       | -----         | -----       | 38       | -----         | 3            | 48.26     | 45.72 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3204       | -----         | -----       | 32       | -----         | 4            | 40.64     | 38.10 | 5.84       | 2.29        | 1.52 | -----                     | 87911-3804       | -----         | -----       | 38       | -----         | 4            | 48.26     | 45.72 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3205       | -----         | -----       | 32       | -----         | 5            | 40.64     | 38.10 | 5.84       | 2.29        | 1.52 | -----                     | 87911-3805       | -----         | -----       | 38       | -----         | 5            | 48.26     | 45.72 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3206       | -----         | -----       | 32       | -----         | 6            | 40.64     | 38.10 | 5.84       | 2.29        | 1.52 | -----                     | 87911-3806       | -----         | -----       | 38       | -----         | 6            | 48.26     | 45.72 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3207       | -----         | -----       | 32       | -----         | 1            | 40.64     | 38.10 | 8.13       | 2.79        | 2.62 | -----                     | 87911-3807       | -----         | -----       | 38       | -----         | 1            | 48.26     | 45.72 | 8.13       | 2.79        | 2.62 |
| -----                     | 87911-3208       | -----         | -----       | 32       | -----         | 2            | 40.64     | 38.10 | 8.13       | 2.79        | 2.62 | -----                     | 87911-3808       | -----         | -----       | 38       | -----         | 2            | 48.26     | 45.72 | 8.13       | 2.79        | 2.62 |
| -----                     | 87911-3209       | -----         | -----       | 32       | -----         | 3            | 40.64     | 38.10 | 8.13       | 2.79        | 2.62 | -----                     | 87911-3809       | -----         | -----       | 38       | -----         | 3            | 48.26     | 45.72 | 8.13       | 2.79        | 2.62 |
| -----                     | 87911-3401       | -----         | -----       | 34       | -----         | 1            | 43.18     | 40.64 | 5.84       | 2.29        | 1.52 | -----                     | 87911-4001       | -----         | -----       | 40       | -----         | 1            | 50.80     | 48.26 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3402       | -----         | -----       | 34       | -----         | 2            | 43.18     | 40.64 | 5.84       | 2.29        | 1.52 | -----                     | 87911-4002       | -----         | -----       | 40       | -----         | 2            | 50.80     | 48.26 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3403       | -----         | -----       | 34       | -----         | 3            | 43.18     | 40.64 | 5.84       | 2.29        | 1.52 | -----                     | 87911-4003       | -----         | -----       | 40       | -----         | 3            | 50.80     | 48.26 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3404       | -----         | -----       | 34       | -----         | 4            | 43.18     | 40.64 | 5.84       | 2.29        | 1.52 | -----                     | 87911-4004       | -----         | -----       | 40       | -----         | 4            | 50.80     | 48.26 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3405       | -----         | -----       | 34       | -----         | 5            | 43.18     | 40.64 | 5.84       | 2.29        | 1.52 | -----                     | 87911-4005       | -----         | -----       | 40       | -----         | 5            | 50.80     | 48.26 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3406       | -----         | -----       | 34       | -----         | 6            | 43.18     | 40.64 | 5.84       | 2.29        | 1.52 | -----                     | 87911-4006       | -----         | -----       | 40       | -----         | 6            | 50.80     | 48.26 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3407       | -----         | -----       | 34       | -----         | 1            | 43.18     | 40.64 | 8.13       | 2.79        | 2.62 | -----                     | 87911-4007       | -----         | -----       | 40       | -----         | 1            | 50.80     | 48.26 | 8.13       | 2.79        | 2.62 |
| -----                     | 87911-3408       | -----         | -----       | 34       | -----         | 2            | 43.18     | 40.64 | 8.13       | 2.79        | 2.62 | -----                     | 87911-4008       | -----         | -----       | 40       | -----         | 2            | 50.80     | 48.26 | 8.13       | 2.79        | 2.62 |
| -----                     | 87911-3409       | -----         | -----       | 34       | -----         | 3            | 43.18     | 40.64 | 8.13       | 2.79        | 2.62 | -----                     | 87911-4009       | -----         | -----       | 40       | -----         | 3            | 50.80     | 48.26 | 8.13       | 2.79        | 2.62 |
| -----                     | 87911-3601       | -----         | -----       | 36       | -----         | 1            | 45.72     | 43.18 | 5.84       | 2.29        | 1.52 | -----                     | 87911-4201       | -----         | -----       | 42       | -----         | 1            | 53.34     | 50.80 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3602       | -----         | -----       | 36       | -----         | 2            | 45.72     | 43.18 | 5.84       | 2.29        | 1.52 | -----                     | 87911-4202       | -----         | -----       | 42       | -----         | 2            | 53.34     | 50.80 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3603       | -----         | -----       | 36       | -----         | 3            | 45.72     | 43.18 | 5.84       | 2.29        | 1.52 | -----                     | 87911-4203       | -----         | -----       | 42       | -----         | 3            | 53.34     | 50.80 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3604       | -----         | -----       | 36       | -----         | 4            | 45.72     | 43.18 | 5.84       | 2.29        | 1.52 | -----                     | 87911-4204       | -----         | -----       | 42       | -----         | 4            | 53.34     | 50.80 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3605       | -----         | -----       | 36       | -----         | 5            | 45.72     | 43.18 | 5.84       | 2.29        | 1.52 | -----                     | 87911-4205       | -----         | -----       | 42       | -----         | 5            | 53.34     | 50.80 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3606       | -----         | -----       | 36       | -----         | 6            | 45.72     | 43.18 | 5.84       | 2.29        | 1.52 | -----                     | 87911-4206       | -----         | -----       | 42       | -----         | 6            | 53.34     | 50.80 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3607       | -----         | -----       | 36       | -----         | 1            | 45.72     | 43.18 | 8.13       | 2.79        | 2.62 | -----                     | 87911-4207       | -----         | -----       | 42       | -----         | 1            | 53.34     | 50.80 | 8.13       | 2.79        | 2.62 |
| -----                     | 87911-3608       | -----         | -----       | 36       | -----         | 2            | 45.72     | 43.18 | 8.13       | 2.79        | 2.62 | -----                     | 87911-4208       | -----         | -----       | 42       | -----         | 2            | 53.34     | 50.80 | 8.13       | 2.79        | 2.62 |
| -----                     | 87911-3609       | -----         | -----       | 36       | -----         | 3            | 45.72     | 43.18 | 8.13       | 2.79        | 2.62 | -----                     | 87911-4209       | -----         | -----       | 42       | -----         | 3            | 53.34     | 50.80 | 8.13       | 2.79        | 2.62 |
| 87911-3614                | -----            | -----         | -----       | 36       | -----         | 5            | 45.72     | 43.18 | 2.60       | 5.13        | 1.77 | -----                     |                  | -----         | -----       |          | -----         |              |           |       |            |             |      |
| 87911-3615                | -----            | -----         | -----       | 36       | -----         | 5            | 45.72     | 43.18 | 5.13       | 2.60        | 1.57 | -----                     |                  | -----         | -----       |          | -----         |              |           |       |            |             |      |

| 9                         |                  | 8             |             |          | 7             |              | 6         |       |            |             |      | 5                         | 4                |               |             |          | 3             |              | 2         |       | 1          |             |      |
|---------------------------|------------------|---------------|-------------|----------|---------------|--------------|-----------|-------|------------|-------------|------|---------------------------|------------------|---------------|-------------|----------|---------------|--------------|-----------|-------|------------|-------------|------|
| PACKAGING OPTION PART NO. |                  |               |             |          |               |              | DIMENSION |       |            |             |      | PACKAGING OPTION PART NO. |                  |               |             |          |               |              | DIMENSION |       |            |             |      |
| TRAY                      | TUBE WITHOUT CAP | TUBE WITH CAP | TAPE & REEL | CKT SIZE | VOID POSITION | PLATING TYPE | A         | B     | MATING END | SOLDER TAIL | E    | TRAY                      | TUBE WITHOUT CAP | TUBE WITH CAP | TAPE & REEL | CKT SIZE | VOID POSITION | PLATING TYPE | A         | B     | MATING END | SOLDER TAIL | E    |
|                           |                  |               |             |          |               |              |           |       | M          | P           |      |                           |                  |               |             |          |               |              |           |       | M          | P           |      |
| -----                     | 87911-3801       | -----         | -----       | 38       | -----         | 1            | 48.26     | 45.72 | 5.84       | 2.29        | 1.52 | -----                     | 87911-4001       | -----         | -----       | 40       | -----         | 1            | 50.80     | 48.26 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3802       | -----         | -----       | 38       | -----         | 2            | 48.26     | 45.72 | 5.84       | 2.29        | 1.52 | -----                     | 87911-4002       | -----         | -----       | 40       | -----         | 2            | 50.80     | 48.26 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3803       | -----         | -----       | 38       | -----         | 3            | 48.26     | 45.72 | 5.84       | 2.29        | 1.52 | -----                     | 87911-4003       | -----         | -----       | 40       | -----         | 3            | 50.80     | 48.26 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3804       | -----         | -----       | 38       | -----         | 4            | 48.26     | 45.72 | 5.84       | 2.29        | 1.52 | -----                     | 87911-4004       | -----         | -----       | 40       | -----         | 4            | 50.80     | 48.26 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3805       | -----         | -----       | 38       | -----         | 5            | 48.26     | 45.72 | 5.84       | 2.29        | 1.52 | -----                     | 87911-4005       | -----         | -----       | 40       | -----         | 5            | 50.80     | 48.26 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3806       | -----         | -----       | 38       | -----         | 6            | 48.26     | 45.72 | 5.84       | 2.29        | 1.52 | -----                     | 87911-4006       | -----         | -----       | 40       | -----         | 6            | 50.80     | 48.26 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-3807       | -----         | -----       | 38       | -----         | 1            | 48.26     | 45.72 | 8.13       | 2.79        | 2.62 | -----                     | 87911-4007       | -----         | -----       | 40       | -----         | 1            | 50.80     | 48.26 | 8.13       | 2.79        | 2.62 |
| -----                     | 87911-3808       | -----         | -----       | 38       | -----         | 2            | 48.26     | 45.72 | 8.13       | 2.79        | 2.62 | -----                     | 87911-4008       | -----         | -----       | 40       | -----         | 2            | 50.80     | 48.26 | 8.13       | 2.79        | 2.62 |
| -----                     | 87911-3809       | -----         | -----       | 38       | -----         | 3            | 48.26     | 45.72 | 8.13       | 2.79        | 2.62 | -----                     | 87911-4009       | -----         | -----       | 40       | -----         | 3            | 50.80     | 48.26 | 8.13       | 2.79        | 2.62 |
| -----                     | 87911-4201       | -----         | -----       | 42       | -----         | 1            | 53.34     | 50.80 | 5.84       | 2.29        | 1.52 | -----                     | 87911-4201       | -----         | -----       | 42       | -----         | 1            | 53.34     | 50.80 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-4202       | -----         | -----       | 42       | -----         | 2            | 53.34     | 50.80 | 5.84       | 2.29        | 1.52 | -----                     | 87911-4202       | -----         | -----       | 42       | -----         | 2            | 53.34     | 50.80 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-4203       | -----         | -----       | 42       | -----         | 3            | 53.34     | 50.80 | 5.84       | 2.29        | 1.52 | -----                     | 87911-4203       | -----         | -----       | 42       | -----         | 3            | 53.34     | 50.80 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-4204       | -----         | -----       | 42       | -----         | 4            | 53.34     | 50.80 | 5.84       | 2.29        | 1.52 | -----                     | 87911-4204       | -----         | -----       | 42       | -----         | 4            | 53.34     | 50.80 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-4205       | -----         | -----       | 42       | -----         | 5            | 53.34     | 50.80 | 5.84       | 2.29        | 1.52 | -----                     | 87911-4205       | -----         | -----       | 42       | -----         | 5            | 53.34     | 50.80 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-4206       | -----         | -----       | 42       | -----         | 6            | 53.34     | 50.80 | 5.84       | 2.29        | 1.52 | -----                     | 87911-4206       | -----         | -----       | 42       | -----         | 6            | 53.34     | 50.80 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-4207       | -----         | -----       | 42       | -----         | 1            | 53.34     | 50.80 | 8.13       | 2.79        | 2.62 | -----                     | 87911-4207       | -----         | -----       | 42       | -----         | 1            | 53.34     | 50.80 | 8.13       | 2.79        | 2.62 |
| -----                     | 87911-4208       | -----         | -----       | 42       | -----         | 2            | 53.34     | 50.80 | 8.13       | 2.79        | 2.62 | -----                     | 87911-4208       | -----         | -----       | 42       | -----         | 2            | 53.34     | 50.80 | 8.13       | 2.79        | 2.62 |
| -----                     | 87911-4209       | -----         | -----       | 42       | -----         | 3            | 53.34     | 50.80 | 8.13       | 2.79        | 2.62 | -----                     | 87911-4209       | -----         | -----       | 42       | -----         | 3            | 53.34     | 50.80 | 8.13       | 2.79        | 2.62 |

|  |  |                     |  |   |  |                                   |  |   |  |  |  |                            |                        |                        |
|--|--|---------------------|--|---|--|-----------------------------------|--|---|--|--|--|----------------------------|------------------------|------------------------|
| <p>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</p> |  |                     |  |   |  |                                   |  |   |  |  |  |                            |                        |                        |
| DIMENSION UNITS<br><b>mm</b>   |  | SCALE<br><b>NTS</b> |  | CURRENT REV DESC:   |  |                                   |  |   |  |  |  |                            |                        |                        |
| GENERAL TOLERANCES (UNLESS SPECIFIED)  |  |                     |  |  |  |                                   |  |   |  |  |  |                            |                        |                        |
|  |  |                     |  | CUSTOM HEADER<br>2.54MM DUAL ROW HEADER SINGLE WAFER, R/A                             |  |                                   |  |   |  |  |  |                            |                        |                        |
|  |  |                     |  | PRODUCT CUSTOMER DRAWING  |  |                                   |  |   |  |  |  |                            |                        |                        |
| 4 PLACES ±   |  | MM INCH             |  | EC NO: 659393   |  |                                   |  | DRWN: ABABUPS 2021/03/26  |  | DOCUMENT NUMBER<br><b>SD-87911-015</b> |  | DOC TYPE<br><b>PSD</b>     | DOC PART<br><b>001</b> | REVISION<br><b>C3</b>  |
| 3 PLACES ±   |  |                     |  | CHK'D: MRAMAKRISHNA 2021/03/30  |  |                                   |  | APPR: MRAMAKRISHNA 2021/03/30   |  | INITIAL REVISION:                      |  |                            |                        |                        |
| 2 PLACES ± 0.2   |  |                     |  | DRWN: KSEE 2004/11/30   |  |                                   |  | APPR: SCLOW 2004/12/16  |  | MATERIAL NUMBER<br>SEE TABLE           |  | CUSTOMER<br>GENERAL MARKET |                        | SHEET NUMBER<br>5 OF 9 |
| 1 PLACE ±  |  |                     |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                  |  |                                   |  | THIRD ANGLE PROJECTION<br> |  | DRAWING<br><b>A3-SIZE</b>              |  | SERIES<br><b>87911</b>     |                        |                        |
| 0 PLACES ±   |  |                     |  | DOCUMENT STATUS<br><b>P1</b>  |  | RELEASE DATE<br><b>2021/03/30</b> |  | 04:03:52  |  |  |  |                            |                        |                        |

| PACKAGING OPTION PART NO. |                  |               |             | DIMENSION |               |              |       |       |            |             |      |
|---------------------------|------------------|---------------|-------------|-----------|---------------|--------------|-------|-------|------------|-------------|------|
| TRAY                      | TUBE WITHOUT CAP | TUBE WITH CAP | TAPE & REEL | CKT SIZE  | VOID POSITION | PLATING TYPE | A     | B     | MATING END | SOLDER TAIL | E    |
|                           |                  |               |             |           |               |              |       |       | M          | P           |      |
| -----                     | 87911-4401       | -----         | -----       | 44        | -----         | 1            | 55.88 | 53.34 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-4402       | -----         | -----       | 44        | -----         | 2            | 55.88 | 53.34 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-4403       | -----         | -----       | 44        | -----         | 3            | 55.88 | 53.34 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-4404       | -----         | -----       | 44        | -----         | 4            | 55.88 | 53.34 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-4405       | -----         | -----       | 44        | -----         | 5            | 55.88 | 53.34 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-4406       | -----         | -----       | 44        | -----         | 6            | 55.88 | 53.34 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-4407       | -----         | -----       | 44        | -----         | 1            | 55.88 | 53.34 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-4408       | -----         | -----       | 44        | -----         | 2            | 55.88 | 53.34 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-4409       | -----         | -----       | 44        | -----         | 3            | 55.88 | 53.34 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-4601       | -----         | -----       | 46        | -----         | 1            | 58.42 | 55.88 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-4602       | -----         | -----       | 46        | -----         | 2            | 58.42 | 55.88 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-4603       | -----         | -----       | 46        | -----         | 3            | 58.42 | 55.88 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-4604       | -----         | -----       | 46        | -----         | 4            | 58.42 | 55.88 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-4605       | -----         | -----       | 46        | -----         | 5            | 58.42 | 55.88 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-4606       | -----         | -----       | 46        | -----         | 6            | 58.42 | 55.88 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-4607       | -----         | -----       | 46        | -----         | 1            | 58.42 | 55.88 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-4608       | -----         | -----       | 46        | -----         | 2            | 58.42 | 55.88 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-4609       | -----         | -----       | 46        | -----         | 3            | 58.42 | 55.88 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-4801       | -----         | -----       | 48        | -----         | 1            | 60.96 | 58.42 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-4802       | -----         | -----       | 48        | -----         | 2            | 60.96 | 58.42 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-4803       | -----         | -----       | 48        | -----         | 3            | 60.96 | 58.42 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-4804       | -----         | -----       | 48        | -----         | 4            | 60.96 | 58.42 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-4805       | -----         | -----       | 48        | -----         | 5            | 60.96 | 58.42 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-4806       | -----         | -----       | 48        | -----         | 6            | 60.96 | 58.42 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-4807       | -----         | -----       | 48        | -----         | 1            | 60.96 | 58.42 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-4808       | -----         | -----       | 48        | -----         | 2            | 60.96 | 58.42 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-4809       | -----         | -----       | 48        | -----         | 3            | 60.96 | 58.42 | 8.13       | 2.79        | 2.61 |

| PACKAGING OPTION PART NO. |                  |               |             | DIMENSION |               |              |       |       |            |             |      |
|---------------------------|------------------|---------------|-------------|-----------|---------------|--------------|-------|-------|------------|-------------|------|
| TRAY                      | TUBE WITHOUT CAP | TUBE WITH CAP | TAPE & REEL | CKT SIZE  | VOID POSITION | PLATING TYPE | A     | B     | MATING END | SOLDER TAIL | E    |
|                           |                  |               |             |           |               |              |       |       | M          | P           |      |
| -----                     | 87911-5001       | -----         | -----       | 50        | -----         | 1            | 63.50 | 60.96 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5002       | -----         | -----       | 50        | -----         | 2            | 63.50 | 60.96 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5003       | -----         | -----       | 50        | -----         | 3            | 63.50 | 60.96 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5004       | -----         | -----       | 50        | -----         | 4            | 63.50 | 60.96 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5005       | -----         | -----       | 50        | -----         | 5            | 63.50 | 60.96 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5006       | -----         | -----       | 50        | -----         | 6            | 63.50 | 60.96 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5007       | -----         | -----       | 50        | -----         | 1            | 63.50 | 60.96 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-5008       | -----         | -----       | 50        | -----         | 2            | 63.50 | 60.96 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-5009       | -----         | -----       | 50        | -----         | 3            | 63.50 | 60.96 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-5201       | -----         | -----       | 52        | -----         | 1            | 66.04 | 63.50 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5202       | -----         | -----       | 52        | -----         | 2            | 66.04 | 63.50 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5203       | -----         | -----       | 52        | -----         | 3            | 66.04 | 63.50 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5204       | -----         | -----       | 52        | -----         | 4            | 66.04 | 63.50 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5205       | -----         | -----       | 52        | -----         | 5            | 66.04 | 63.50 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5206       | -----         | -----       | 52        | -----         | 6            | 66.04 | 63.50 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5207       | -----         | -----       | 52        | -----         | 1            | 66.04 | 63.50 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-5208       | -----         | -----       | 52        | -----         | 2            | 66.04 | 63.50 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-5209       | -----         | -----       | 52        | -----         | 3            | 66.04 | 63.50 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-5401       | -----         | -----       | 54        | -----         | 1            | 68.58 | 66.04 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5402       | -----         | -----       | 54        | -----         | 2            | 68.58 | 66.04 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5403       | -----         | -----       | 54        | -----         | 3            | 68.58 | 66.04 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5404       | -----         | -----       | 54        | -----         | 4            | 68.58 | 66.04 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5405       | -----         | -----       | 54        | -----         | 5            | 68.58 | 66.04 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5406       | -----         | -----       | 54        | -----         | 6            | 68.58 | 66.04 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5407       | -----         | -----       | 54        | -----         | 1            | 68.58 | 66.04 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-5408       | -----         | -----       | 54        | -----         | 2            | 68.58 | 66.04 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-5409       | -----         | -----       | 54        | -----         | 3            | 68.58 | 66.04 | 8.13       | 2.79        | 2.61 |

|   |  |       |  |   |  |         |  |  |  |              |  |
|---|--|-------|--|---|--|---------|--|--|--|--------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |       |  |   |  |         |  |  |  |              |  |
| DIMENSION UNITS   |  | SCALE |  | CURRENT REV DESC:   |  |         |  | <br>CUSTOM HEADER<br>2.54MM DUAL ROW HEADER SINGLE WAFER, R/A |  |              |  |
| mm  |  | NTS   |  |   |  |         |  |  |  |              |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |  |       |  | EC NO: 659393   |  |         |  | DOCUMENT NUMBER<br><b>SD-87911-015</b>   |  |              |  |
|   |  |       |  | DRWN: ABABUPS 2021/03/26  |  |         |  |  |  |              |  |
|   |  |       |  | CHK'D: MRAMAKRISHNA 2021/03/30  |  |         |  | DOC TYPE<br>PSD  |  |              |  |
|   |  |       |  | APPR: MRAMAKRISHNA 2021/03/30   |  |         |  |  |  |              |  |
|   |  |       |  | INITIAL REVISION:   |  |         |  | DOC PART<br>001  |  |              |  |
|   |  |       |  | DRWN: KSEE 2004/11/30   |  |         |  |  |  |              |  |
|   |  |       |  | APPR: SCLOW 2004/12/16  |  |         |  | REVISION<br><b>C3</b>  |  |              |  |
|   |  |       |  | ANGULAR TOL ± 3.0°  |  |         |  |  |  |              |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |  |       |  | THIRD ANGLE PROJECTION  |  | DRAWING |  | SERIES   |  | SHEET NUMBER |  |
|   |  |       |  |  |  | A3-SIZE |  | 87911  |  | 6 OF 9       |  |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2021/03/30 | 04:03:52 |
|-----------------|----|--------------|------------|----------|

| PACKAGING OPTION PART NO. |                  |               |             | DIMENSION |               |              |       |       |            |             |      |
|---------------------------|------------------|---------------|-------------|-----------|---------------|--------------|-------|-------|------------|-------------|------|
| TRAY                      | TUBE WITHOUT CAP | TUBE WITH CAP | TAPE & REEL | CKT SIZE  | VOID POSITION | PLATING TYPE | A     | B     | MATING END | SOLDER TAIL | E    |
|                           |                  |               |             |           |               |              |       |       | M          | P           |      |
| -----                     | 87911-5601       | -----         | -----       | 56        | -----         | 1            | 71.12 | 68.58 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5602       | -----         | -----       | 56        | -----         | 2            | 71.12 | 68.58 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5603       | -----         | -----       | 56        | -----         | 3            | 71.12 | 68.58 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5604       | -----         | -----       | 56        | -----         | 4            | 71.12 | 68.58 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5605       | -----         | -----       | 56        | -----         | 5            | 71.12 | 68.58 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5606       | -----         | -----       | 56        | -----         | 6            | 71.12 | 68.58 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5607       | -----         | -----       | 56        | -----         | 1            | 71.12 | 68.58 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-5608       | -----         | -----       | 56        | -----         | 2            | 71.12 | 68.58 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-5609       | -----         | -----       | 56        | -----         | 3            | 71.12 | 68.58 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-5801       | -----         | -----       | 58        | -----         | 1            | 73.66 | 71.12 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5802       | -----         | -----       | 58        | -----         | 2            | 73.66 | 71.12 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5803       | -----         | -----       | 58        | -----         | 3            | 73.66 | 71.12 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5804       | -----         | -----       | 58        | -----         | 4            | 73.66 | 71.12 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5805       | -----         | -----       | 58        | -----         | 5            | 73.66 | 71.12 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5806       | -----         | -----       | 58        | -----         | 6            | 73.66 | 71.12 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-5807       | -----         | -----       | 58        | -----         | 1            | 73.66 | 71.12 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-5808       | -----         | -----       | 58        | -----         | 2            | 73.66 | 71.12 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-5809       | -----         | -----       | 58        | -----         | 3            | 73.66 | 71.12 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-6001       | -----         | -----       | 60        | -----         | 1            | 76.20 | 73.66 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6002       | -----         | -----       | 60        | -----         | 2            | 76.20 | 73.66 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6003       | -----         | -----       | 60        | -----         | 3            | 76.20 | 73.66 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6004       | -----         | -----       | 60        | -----         | 4            | 76.20 | 73.66 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6005       | -----         | -----       | 60        | -----         | 5            | 76.20 | 73.66 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6006       | -----         | -----       | 60        | -----         | 6            | 76.20 | 73.66 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6007       | -----         | -----       | 60        | -----         | 1            | 76.20 | 73.66 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-6008       | -----         | -----       | 60        | -----         | 2            | 76.20 | 73.66 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-6009       | -----         | -----       | 60        | -----         | 3            | 76.20 | 73.66 | 8.13       | 2.79        | 2.61 |

| PACKAGING OPTION PART NO. |                  |               |             | DIMENSION |               |              |       |       |            |             |      |
|---------------------------|------------------|---------------|-------------|-----------|---------------|--------------|-------|-------|------------|-------------|------|
| TRAY                      | TUBE WITHOUT CAP | TUBE WITH CAP | TAPE & REEL | CKT SIZE  | VOID POSITION | PLATING TYPE | A     | B     | MATING END | SOLDER TAIL | E    |
|                           |                  |               |             |           |               |              |       |       | M          | P           |      |
| -----                     | 87911-6201       | -----         | -----       | 62        | -----         | 1            | 78.74 | 76.20 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6202       | -----         | -----       | 62        | -----         | 2            | 78.74 | 76.20 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6203       | -----         | -----       | 62        | -----         | 3            | 78.74 | 76.20 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6204       | -----         | -----       | 62        | -----         | 4            | 78.74 | 76.20 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6205       | -----         | -----       | 62        | -----         | 5            | 78.74 | 76.20 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6206       | -----         | -----       | 62        | -----         | 6            | 78.74 | 76.20 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6207       | -----         | -----       | 62        | -----         | 1            | 78.74 | 76.20 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-6208       | -----         | -----       | 62        | -----         | 2            | 78.74 | 76.20 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-6209       | -----         | -----       | 62        | -----         | 3            | 78.74 | 76.20 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-6401       | -----         | -----       | 64        | -----         | 1            | 81.28 | 78.74 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6402       | -----         | -----       | 64        | -----         | 2            | 81.28 | 78.74 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6403       | -----         | -----       | 64        | -----         | 3            | 81.28 | 78.74 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6404       | -----         | -----       | 64        | -----         | 4            | 81.28 | 78.74 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6405       | -----         | -----       | 64        | -----         | 5            | 81.28 | 78.74 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6406       | -----         | -----       | 64        | -----         | 6            | 81.28 | 78.74 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6407       | -----         | -----       | 64        | -----         | 1            | 81.28 | 78.74 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-6408       | -----         | -----       | 64        | -----         | 2            | 81.28 | 78.74 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-6409       | -----         | -----       | 64        | -----         | 3            | 81.28 | 78.74 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-6601       | -----         | -----       | 66        | -----         | 1            | 83.82 | 81.28 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6602       | -----         | -----       | 66        | -----         | 2            | 83.82 | 81.28 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6603       | -----         | -----       | 66        | -----         | 3            | 83.82 | 81.28 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6604       | -----         | -----       | 66        | -----         | 4            | 83.82 | 81.28 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6605       | -----         | -----       | 66        | -----         | 5            | 83.82 | 81.28 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6606       | -----         | -----       | 66        | -----         | 6            | 83.82 | 81.28 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6607       | -----         | -----       | 66        | -----         | 1            | 83.82 | 81.28 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-6608       | -----         | -----       | 66        | -----         | 2            | 83.82 | 81.28 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-6609       | -----         | -----       | 66        | -----         | 3            | 83.82 | 81.28 | 8.13       | 2.79        | 2.61 |

|   |  |       |  |  |       |           |        |   |          |                |              |              |
|---|--|-------|--|--|-------|-----------|--------|---|----------|----------------|--------------|--------------|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |       |  |  |       |           |        |   |          |                |              |              |
| DIMENSION UNITS   |  | SCALE |  | CURRENT REV DESC:  |       |           |        | <b>molex</b>  |          |                |              |              |
| mm  |  | NTS   |  |  |       |           |        |   |          |                |              |              |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |  |       |  | EC NO: 659393<br>DRWN: ABABUPS 2021/03/26<br>CHK'D: MRAMAKRISHNA 2021/03/30<br>APPR: MRAMAKRISHNA 2021/03/30 |       |           |        | CUSTOM HEADER<br>2.54MM DUAL ROW HEADER SINGLE WAFER, R/A |          |                |              |              |
|   |  |       |  |  |       |           |        |   |          |                |              |              |
| 4 PLACES ±  |  | ±     |  | INITIAL REVISION:<br>DRWN: KSEE 2004/11/30<br>APPR: SCLOW 2004/12/16   |       |           |        | DOCUMENT NUMBER   |          | DOC TYPE       | DOC PART     | REVISION     |
| 3 PLACES ±  |  | ±     |  |  |       |           |        | SD-87911-015  |          | PSD            | 001          | C3           |
| 2 PLACES ±  |  | 0.2 ± |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS   |       |           |        | MATERIAL NUMBER   |          | CUSTOMER       |              | SHEET NUMBER |
| 1 PLACE ±   |  | ±     |  |  |       |           |        | SEE TABLE   |          | GENERAL MARKET |              | 7 OF 9       |
| 0 PLACES ±  |  | ±     |  | THIRD ANGLE PROJECTION   |       | DRAWING   | SERIES | MATERIAL NUMBER   | CUSTOMER |                | SHEET NUMBER |              |
| ANGULAR TOL ± 3.0°  |  |       |  | A3-SIZE  | 87911 | SEE TABLE |        | GENERAL MARKET  |          | 7 OF 9         |              |              |


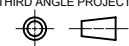
| PACKAGING OPTION PART NO. |                  |               |             | CKT SIZE | VOID POSITION | PLATING TYPE | DIMENSION |       |            |             |      |
|---------------------------|------------------|---------------|-------------|----------|---------------|--------------|-----------|-------|------------|-------------|------|
| TRAY                      | TUBE WITHOUT CAP | TUBE WITH CAP | TAPE & REEL |          |               |              | A         | B     | MATING END | SOLDER TAIL | E    |
|                           |                  |               |             |          |               |              |           |       | M          | P           |      |
| -----                     | 87911-6801       | -----         | -----       | 68       | -----         | 1            | 86.36     | 83.82 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6802       | -----         | -----       | 68       | -----         | 2            | 86.36     | 83.82 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6803       | -----         | -----       | 68       | -----         | 3            | 86.36     | 83.82 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6804       | -----         | -----       | 68       | -----         | 4            | 86.36     | 83.82 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6805       | -----         | -----       | 68       | -----         | 5            | 86.36     | 83.82 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6806       | -----         | -----       | 68       | -----         | 6            | 86.36     | 83.82 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-6807       | -----         | -----       | 68       | -----         | 1            | 86.36     | 83.82 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-6808       | -----         | -----       | 68       | -----         | 2            | 86.36     | 83.82 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-6809       | -----         | -----       | 68       | -----         | 3            | 86.36     | 83.82 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-7001       | -----         | -----       | 70       | -----         | 1            | 88.90     | 86.36 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7002       | -----         | -----       | 70       | -----         | 2            | 88.90     | 86.36 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7003       | -----         | -----       | 70       | -----         | 3            | 88.90     | 86.36 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7004       | -----         | -----       | 70       | -----         | 4            | 88.90     | 86.36 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7005       | -----         | -----       | 70       | -----         | 5            | 88.90     | 86.36 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7006       | -----         | -----       | 70       | -----         | 6            | 88.90     | 86.36 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7007       | -----         | -----       | 70       | -----         | 1            | 88.90     | 86.36 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-7008       | -----         | -----       | 70       | -----         | 2            | 88.90     | 86.36 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-7009       | -----         | -----       | 70       | -----         | 3            | 88.90     | 86.36 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-7201       | -----         | -----       | 72       | -----         | 1            | 91.44     | 88.90 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7202       | -----         | -----       | 72       | -----         | 2            | 91.44     | 88.90 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7203       | -----         | -----       | 72       | -----         | 3            | 91.44     | 88.90 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7204       | -----         | -----       | 72       | -----         | 4            | 91.44     | 88.90 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7205       | -----         | -----       | 72       | -----         | 5            | 91.44     | 88.90 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7206       | -----         | -----       | 72       | -----         | 6            | 91.44     | 88.90 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7207       | -----         | -----       | 72       | -----         | 1            | 91.44     | 88.90 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-7208       | -----         | -----       | 72       | -----         | 2            | 91.44     | 88.90 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-7209       | -----         | -----       | 72       | -----         | 3            | 91.44     | 88.90 | 8.13       | 2.79        | 2.61 |

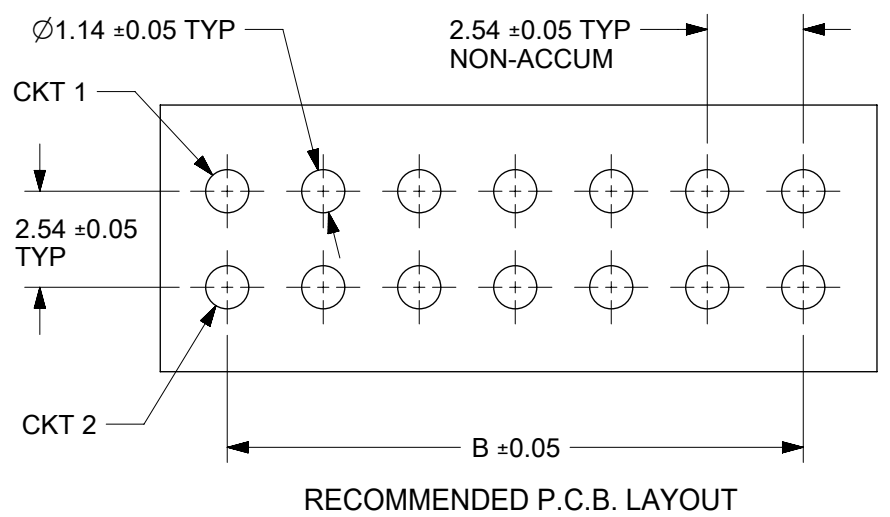
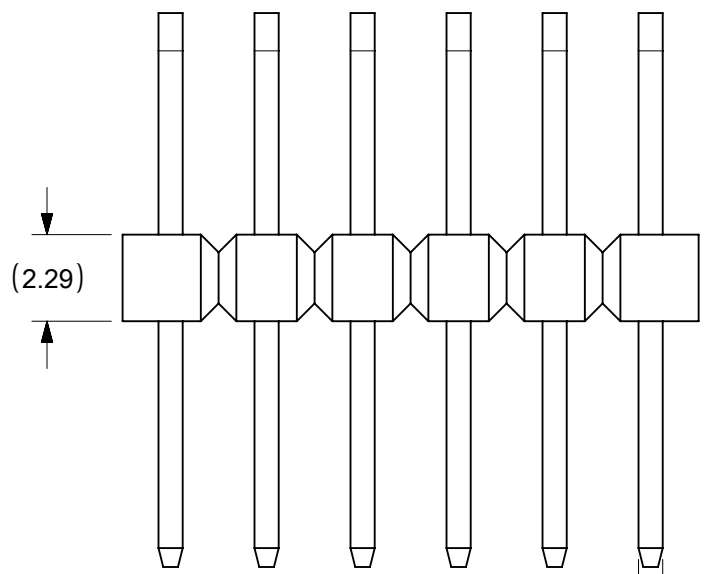
| PACKAGING OPTION PART NO. |                  |               |             | CKT SIZE | VOID POSITION | PLATING TYPE | DIMENSION |       |            |             |      |
|---------------------------|------------------|---------------|-------------|----------|---------------|--------------|-----------|-------|------------|-------------|------|
| TRAY                      | TUBE WITHOUT CAP | TUBE WITH CAP | TAPE & REEL |          |               |              | A         | B     | MATING END | SOLDER TAIL | E    |
|                           |                  |               |             |          |               |              |           |       | M          | P           |      |
| -----                     | 87911-7401       | -----         | -----       | 74       | -----         | 1            | 93.98     | 91.44 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7402       | -----         | -----       | 74       | -----         | 2            | 93.98     | 91.44 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7403       | -----         | -----       | 74       | -----         | 3            | 93.98     | 91.44 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7404       | -----         | -----       | 74       | -----         | 4            | 93.98     | 91.44 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7405       | -----         | -----       | 74       | -----         | 5            | 93.98     | 91.44 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7406       | -----         | -----       | 74       | -----         | 6            | 93.98     | 91.44 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7407       | -----         | -----       | 74       | -----         | 1            | 93.98     | 91.44 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-7408       | -----         | -----       | 74       | -----         | 2            | 93.98     | 91.44 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-7409       | -----         | -----       | 74       | -----         | 3            | 93.98     | 91.44 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-7601       | -----         | -----       | 76       | -----         | 1            | 96.52     | 93.98 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7602       | -----         | -----       | 76       | -----         | 2            | 96.52     | 93.98 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7603       | -----         | -----       | 76       | -----         | 3            | 96.52     | 93.98 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7604       | -----         | -----       | 76       | -----         | 4            | 96.52     | 93.98 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7605       | -----         | -----       | 76       | -----         | 5            | 96.52     | 93.98 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7606       | -----         | -----       | 76       | -----         | 6            | 96.52     | 93.98 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7607       | -----         | -----       | 76       | -----         | 1            | 96.52     | 93.98 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-7608       | -----         | -----       | 76       | -----         | 2            | 96.52     | 93.98 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-7609       | -----         | -----       | 76       | -----         | 3            | 96.52     | 93.98 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-7801       | -----         | -----       | 78       | -----         | 1            | 99.06     | 96.52 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7802       | -----         | -----       | 78       | -----         | 2            | 99.06     | 96.52 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7803       | -----         | -----       | 78       | -----         | 3            | 99.06     | 96.52 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7804       | -----         | -----       | 78       | -----         | 4            | 99.06     | 96.52 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7805       | -----         | -----       | 78       | -----         | 5            | 99.06     | 96.52 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7806       | -----         | -----       | 78       | -----         | 6            | 99.06     | 96.52 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-7807       | -----         | -----       | 78       | -----         | 1            | 99.06     | 96.52 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-7808       | -----         | -----       | 78       | -----         | 2            | 99.06     | 96.52 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-7809       | -----         | -----       | 78       | -----         | 3            | 99.06     | 96.52 | 8.13       | 2.79        | 2.61 |

|  |                         |                   |            |   |                |          |              |  |  |  |  |                 |        |                   |                    |   |                         |       |                         |                   |  |                                       |                 |       |                  |  |  |                        |  |   |  |  |  |  |  |  |  |                          |  |  |  |  |  |                 |          |          |          |  |  |  |  |              |     |     |    |  |  |  |  |                 |  |          |  |  |  |  |  |           |                |  |              |  |  |  |  |         |  |       |        |
|--|-------------------------|-------------------|------------|---|----------------|----------|--------------|--|--|--|--|-----------------|--------|-------------------|--------------------|---|-------------------------|-------|-------------------------|-------------------|--|---------------------------------------|-----------------|-------|------------------|--|--|------------------------|--|---|--|--|--|--|--|--|--|--------------------------|--|--|--|--|--|-----------------|----------|----------|----------|--|--|--|--|--------------|-----|-----|----|--|--|--|--|-----------------|--|----------|--|--|--|--|--|-----------|----------------|--|--------------|--|--|--|--|---------|--|-------|--------|
| <p>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</p> <table border="1"> <tr> <td>DIMENSION UNITS</td> <td>SCALE</td> <td colspan="2">CURRENT REV DESC:</td> <td colspan="2" rowspan="2">  </td> </tr> <tr> <td>mm</td> <td>NTS</td> <td colspan="2"></td> </tr> <tr> <td colspan="4">GENERAL TOLERANCES (UNLESS SPECIFIED)</td> <td colspan="2">CUSTOM HEADER</td> </tr> <tr> <td colspan="4"></td> <td colspan="2">2.54MM DUAL ROW HEADER SINGLE WAFER, R/A</td> </tr> <tr> <td colspan="4"></td> <td colspan="2">PRODUCT CUSTOMER DRAWING</td> </tr> <tr> <td colspan="4"></td> <td>DOCUMENT NUMBER</td> <td>DOC TYPE</td> <td>DOC PART</td> <td>REVISION</td> </tr> <tr> <td colspan="4"></td> <td>SD-87911-015</td> <td>PSD</td> <td>001</td> <td>C3</td> </tr> <tr> <td colspan="4"></td> <td colspan="2">MATERIAL NUMBER</td> <td colspan="2">CUSTOMER</td> </tr> <tr> <td colspan="4"></td> <td>SEE TABLE</td> <td colspan="2">GENERAL MARKET</td> <td>SHEET NUMBER</td> </tr> <tr> <td colspan="4"></td> <td colspan="2">A3-SIZE</td> <td>87911</td> <td>8 OF 9</td> </tr> </table> |                         |                   |            |   |                |          |              |  |  |  |  | DIMENSION UNITS | SCALE  | CURRENT REV DESC: |                    |  |                         | mm    | NTS                     |                   |  | GENERAL TOLERANCES (UNLESS SPECIFIED) |                 |       |                  | CUSTOM HEADER  |  |                        |  |   |  | 2.54MM DUAL ROW HEADER SINGLE WAFER, R/A |  |  |  |  |  | PRODUCT CUSTOMER DRAWING |  |  |  |  |  | DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |  |  |  |  | SD-87911-015 | PSD | 001 | C3 |  |  |  |  | MATERIAL NUMBER |  | CUSTOMER |  |  |  |  |  | SEE TABLE | GENERAL MARKET |  | SHEET NUMBER |  |  |  |  | A3-SIZE |  | 87911 | 8 OF 9 |
| DIMENSION UNITS  | SCALE                   | CURRENT REV DESC: |            |  |                |          |              |  |  |  |  |                 |        |                   |                    |   |                         |       |                         |                   |  |                                       |                 |       |                  |  |  |                        |  |   |  |  |  |  |  |  |  |                          |  |  |  |  |  |                 |          |          |          |  |  |  |  |              |     |     |    |  |  |  |  |                 |  |          |  |  |  |  |  |           |                |  |              |  |  |  |  |         |  |       |        |
| mm   | NTS                     |                   |            |   |                |          |              |  |  |  |  |                 |        |                   |                    |   |                         |       |                         |                   |  |                                       |                 |       |                  |  |  |                        |  |   |  |  |  |  |  |  |  |                          |  |  |  |  |  |                 |          |          |          |  |  |  |  |              |     |     |    |  |  |  |  |                 |  |          |  |  |  |  |  |           |                |  |              |  |  |  |  |         |  |       |        |
| GENERAL TOLERANCES (UNLESS SPECIFIED)  |                         |                   |            | CUSTOM HEADER   |                |          |              |  |  |  |  |                 |        |                   |                    |   |                         |       |                         |                   |  |                                       |                 |       |                  |  |  |                        |  |   |  |  |  |  |  |  |  |                          |  |  |  |  |  |                 |          |          |          |  |  |  |  |              |     |     |    |  |  |  |  |                 |  |          |  |  |  |  |  |           |                |  |              |  |  |  |  |         |  |       |        |
|  |                         |                   |            | 2.54MM DUAL ROW HEADER SINGLE WAFER, R/A  |                |          |              |  |  |  |  |                 |        |                   |                    |   |                         |       |                         |                   |  |                                       |                 |       |                  |  |  |                        |  |   |  |  |  |  |  |  |  |                          |  |  |  |  |  |                 |          |          |          |  |  |  |  |              |     |     |    |  |  |  |  |                 |  |          |  |  |  |  |  |           |                |  |              |  |  |  |  |         |  |       |        |
|  |                         |                   |            | PRODUCT CUSTOMER DRAWING  |                |          |              |  |  |  |  |                 |        |                   |                    |   |                         |       |                         |                   |  |                                       |                 |       |                  |  |  |                        |  |   |  |  |  |  |  |  |  |                          |  |  |  |  |  |                 |          |          |          |  |  |  |  |              |     |     |    |  |  |  |  |                 |  |          |  |  |  |  |  |           |                |  |              |  |  |  |  |         |  |       |        |
|  |                         |                   |            | DOCUMENT NUMBER   | DOC TYPE       | DOC PART | REVISION     |  |  |  |  |                 |        |                   |                    |   |                         |       |                         |                   |  |                                       |                 |       |                  |  |  |                        |  |   |  |  |  |  |  |  |  |                          |  |  |  |  |  |                 |          |          |          |  |  |  |  |              |     |     |    |  |  |  |  |                 |  |          |  |  |  |  |  |           |                |  |              |  |  |  |  |         |  |       |        |
|  |                         |                   |            | SD-87911-015  | PSD            | 001      | C3           |  |  |  |  |                 |        |                   |                    |   |                         |       |                         |                   |  |                                       |                 |       |                  |  |  |                        |  |   |  |  |  |  |  |  |  |                          |  |  |  |  |  |                 |          |          |          |  |  |  |  |              |     |     |    |  |  |  |  |                 |  |          |  |  |  |  |  |           |                |  |              |  |  |  |  |         |  |       |        |
|  |                         |                   |            | MATERIAL NUMBER   |                | CUSTOMER |              |  |  |  |  |                 |        |                   |                    |   |                         |       |                         |                   |  |                                       |                 |       |                  |  |  |                        |  |   |  |  |  |  |  |  |  |                          |  |  |  |  |  |                 |          |          |          |  |  |  |  |              |     |     |    |  |  |  |  |                 |  |          |  |  |  |  |  |           |                |  |              |  |  |  |  |         |  |       |        |
|  |                         |                   |            | SEE TABLE   | GENERAL MARKET |          | SHEET NUMBER |  |  |  |  |                 |        |                   |                    |   |                         |       |                         |                   |  |                                       |                 |       |                  |  |  |                        |  |   |  |  |  |  |  |  |  |                          |  |  |  |  |  |                 |          |          |          |  |  |  |  |              |     |     |    |  |  |  |  |                 |  |          |  |  |  |  |  |           |                |  |              |  |  |  |  |         |  |       |        |
|  |                         |                   |            | A3-SIZE   |                | 87911    | 8 OF 9       |  |  |  |  |                 |        |                   |                    |   |                         |       |                         |                   |  |                                       |                 |       |                  |  |  |                        |  |   |  |  |  |  |  |  |  |                          |  |  |  |  |  |                 |          |          |          |  |  |  |  |              |     |     |    |  |  |  |  |                 |  |          |  |  |  |  |  |           |                |  |              |  |  |  |  |         |  |       |        |
| <table border="1"> <tr> <td>EC NO:</td> <td>659393</td> </tr> <tr> <td>DRWN:</td> <td>ABABUPS 2021/03/26</td> </tr> <tr> <td>CHK'D:</td> <td>MRAMAKRISHNA 2021/03/30</td> </tr> <tr> <td>APPR:</td> <td>MRAMAKRISHNA 2021/03/30</td> </tr> <tr> <td colspan="2">INITIAL REVISION:</td> </tr> <tr> <td>DRWN:</td> <td>KSEE 2004/11/30</td> </tr> <tr> <td>APPR:</td> <td>SCLOW 2004/12/16</td> </tr> <tr> <td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td> </tr> <tr> <td colspan="2">THIRD ANGLE PROJECTION</td> </tr> <tr> <td colspan="2">  </td> </tr> </table>   |                         |                   |            |   |                |          |              |  |  |  |  | EC NO:          | 659393 | DRWN:             | ABABUPS 2021/03/26 | CHK'D:  | MRAMAKRISHNA 2021/03/30 | APPR: | MRAMAKRISHNA 2021/03/30 | INITIAL REVISION: |  | DRWN:                                 | KSEE 2004/11/30 | APPR: | SCLOW 2004/12/16 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  | THIRD ANGLE PROJECTION |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |  |                 |          |          |          |  |  |  |  |              |     |     |    |  |  |  |  |                 |  |          |  |  |  |  |  |           |                |  |              |  |  |  |  |         |  |       |        |
| EC NO:   | 659393                  |                   |            |   |                |          |              |  |  |  |  |                 |        |                   |                    |   |                         |       |                         |                   |  |                                       |                 |       |                  |  |  |                        |  |   |  |  |  |  |  |  |  |                          |  |  |  |  |  |                 |          |          |          |  |  |  |  |              |     |     |    |  |  |  |  |                 |  |          |  |  |  |  |  |           |                |  |              |  |  |  |  |         |  |       |        |
| DRWN:  | ABABUPS 2021/03/26      |                   |            |   |                |          |              |  |  |  |  |                 |        |                   |                    |   |                         |       |                         |                   |  |                                       |                 |       |                  |  |  |                        |  |   |  |  |  |  |  |  |  |                          |  |  |  |  |  |                 |          |          |          |  |  |  |  |              |     |     |    |  |  |  |  |                 |  |          |  |  |  |  |  |           |                |  |              |  |  |  |  |         |  |       |        |
| CHK'D:   | MRAMAKRISHNA 2021/03/30 |                   |            |   |                |          |              |  |  |  |  |                 |        |                   |                    |   |                         |       |                         |                   |  |                                       |                 |       |                  |  |  |                        |  |   |  |  |  |  |  |  |  |                          |  |  |  |  |  |                 |          |          |          |  |  |  |  |              |     |     |    |  |  |  |  |                 |  |          |  |  |  |  |  |           |                |  |              |  |  |  |  |         |  |       |        |
| APPR:  | MRAMAKRISHNA 2021/03/30 |                   |            |   |                |          |              |  |  |  |  |                 |        |                   |                    |   |                         |       |                         |                   |  |                                       |                 |       |                  |  |  |                        |  |   |  |  |  |  |  |  |  |                          |  |  |  |  |  |                 |          |          |          |  |  |  |  |              |     |     |    |  |  |  |  |                 |  |          |  |  |  |  |  |           |                |  |              |  |  |  |  |         |  |       |        |
| INITIAL REVISION:  |                         |                   |            |   |                |          |              |  |  |  |  |                 |        |                   |                    |   |                         |       |                         |                   |  |                                       |                 |       |                  |  |  |                        |  |   |  |  |  |  |  |  |  |                          |  |  |  |  |  |                 |          |          |          |  |  |  |  |              |     |     |    |  |  |  |  |                 |  |          |  |  |  |  |  |           |                |  |              |  |  |  |  |         |  |       |        |
| DRWN:  | KSEE 2004/11/30         |                   |            |   |                |          |              |  |  |  |  |                 |        |                   |                    |   |                         |       |                         |                   |  |                                       |                 |       |                  |  |  |                        |  |   |  |  |  |  |  |  |  |                          |  |  |  |  |  |                 |          |          |          |  |  |  |  |              |     |     |    |  |  |  |  |                 |  |          |  |  |  |  |  |           |                |  |              |  |  |  |  |         |  |       |        |
| APPR:  | SCLOW 2004/12/16        |                   |            |   |                |          |              |  |  |  |  |                 |        |                   |                    |   |                         |       |                         |                   |  |                                       |                 |       |                  |  |  |                        |  |   |  |  |  |  |  |  |  |                          |  |  |  |  |  |                 |          |          |          |  |  |  |  |              |     |     |    |  |  |  |  |                 |  |          |  |  |  |  |  |           |                |  |              |  |  |  |  |         |  |       |        |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS   |                         |                   |            |   |                |          |              |  |  |  |  |                 |        |                   |                    |   |                         |       |                         |                   |  |                                       |                 |       |                  |  |  |                        |  |   |  |  |  |  |  |  |  |                          |  |  |  |  |  |                 |          |          |          |  |  |  |  |              |     |     |    |  |  |  |  |                 |  |          |  |  |  |  |  |           |                |  |              |  |  |  |  |         |  |       |        |
| THIRD ANGLE PROJECTION   |                         |                   |            |   |                |          |              |  |  |  |  |                 |        |                   |                    |   |                         |       |                         |                   |  |                                       |                 |       |                  |  |  |                        |  |   |  |  |  |  |  |  |  |                          |  |  |  |  |  |                 |          |          |          |  |  |  |  |              |     |     |    |  |  |  |  |                 |  |          |  |  |  |  |  |           |                |  |              |  |  |  |  |         |  |       |        |
|   |                         |                   |            |   |                |          |              |  |  |  |  |                 |        |                   |                    |   |                         |       |                         |                   |  |                                       |                 |       |                  |  |  |                        |  |   |  |  |  |  |  |  |  |                          |  |  |  |  |  |                 |          |          |          |  |  |  |  |              |     |     |    |  |  |  |  |                 |  |          |  |  |  |  |  |           |                |  |              |  |  |  |  |         |  |       |        |
| <table border="1"> <tr> <td>DOCUMENT STATUS</td> <td>P1</td> <td>RELEASE DATE</td> <td>2021/03/30</td> <td>04:03:52</td> </tr> </table>  |                         |                   |            |   |                |          |              |  |  |  |  | DOCUMENT STATUS | P1     | RELEASE DATE      | 2021/03/30         | 04:03:52  |                         |       |                         |                   |  |                                       |                 |       |                  |  |  |                        |  |   |  |  |  |  |  |  |  |                          |  |  |  |  |  |                 |          |          |          |  |  |  |  |              |     |     |    |  |  |  |  |                 |  |          |  |  |  |  |  |           |                |  |              |  |  |  |  |         |  |       |        |
| DOCUMENT STATUS  | P1                      | RELEASE DATE      | 2021/03/30 | 04:03:52  |                |          |              |  |  |  |  |                 |        |                   |                    |   |                         |       |                         |                   |  |                                       |                 |       |                  |  |  |                        |  |   |  |  |  |  |  |  |  |                          |  |  |  |  |  |                 |          |          |          |  |  |  |  |              |     |     |    |  |  |  |  |                 |  |          |  |  |  |  |  |           |                |  |              |  |  |  |  |         |  |       |        |

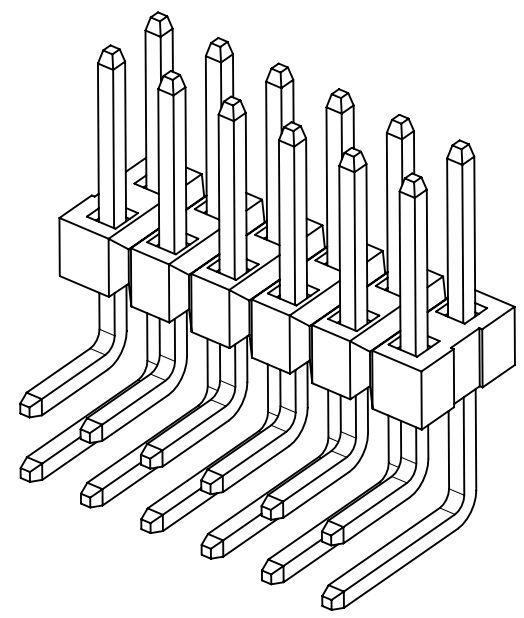
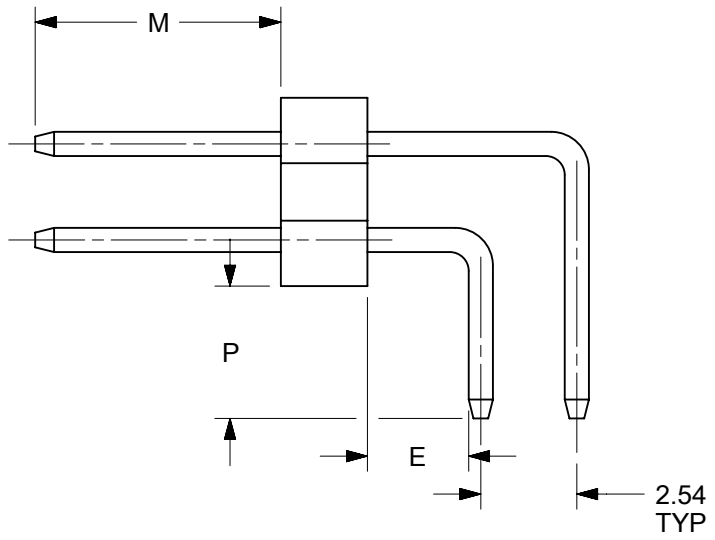
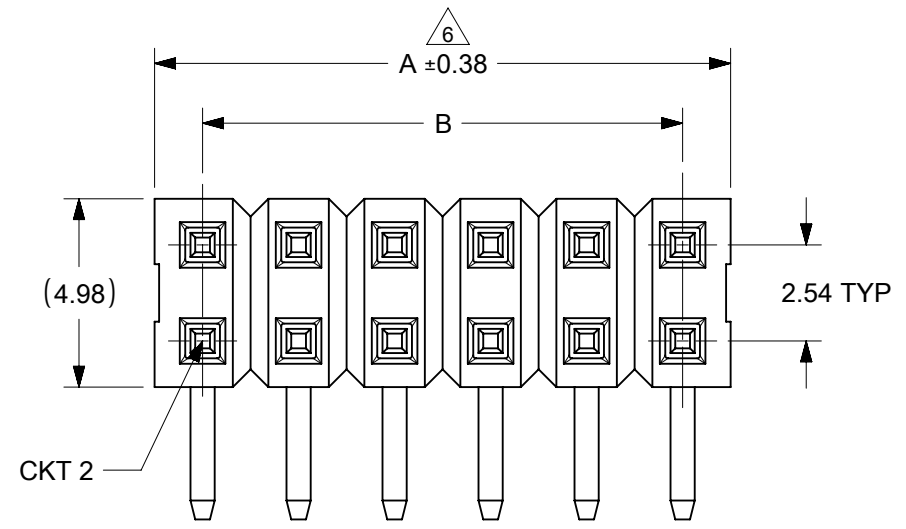


| PACKAGING OPTION PART NO. |                  |               |             | DIMENSION |               |              |        |       |            |             |      |
|---------------------------|------------------|---------------|-------------|-----------|---------------|--------------|--------|-------|------------|-------------|------|
| TRAY                      | TUBE WITHOUT CAP | TUBE WITH CAP | TAPE & REEL | CKT SIZE  | VOID POSITION | PLATING TYPE | A      | B     | MATING END | SOLDER TAIL | E    |
|                           |                  |               |             |           |               |              |        |       | M          | P           |      |
| -----                     | 87911-8001       | -----         | -----       | 80        | -----         | 1            | 101.60 | 99.06 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-8002       | -----         | -----       | 80        | -----         | 2            | 101.60 | 99.06 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-8003       | -----         | -----       | 80        | -----         | 3            | 101.60 | 99.06 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-8004       | -----         | -----       | 80        | -----         | 4            | 101.60 | 99.06 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-8005       | -----         | -----       | 80        | -----         | 5            | 101.60 | 99.06 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-8006       | -----         | -----       | 80        | -----         | 6            | 101.60 | 99.06 | 5.84       | 2.29        | 1.52 |
| -----                     | 87911-8007       | -----         | -----       | 80        | -----         | 1            | 101.60 | 99.06 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-8008       | -----         | -----       | 80        | -----         | 2            | 101.60 | 99.06 | 8.13       | 2.79        | 2.61 |
| -----                     | 87911-8009       | -----         | -----       | 80        | -----         | 3            | 101.60 | 99.06 | 8.13       | 2.79        | 2.61 |
|                           |                  |               |             |           |               |              |        |       |            |             |      |

|   |  |       |  |  |  |            |  |   |  |                |  |
|---|--|-------|--|--|--|------------|--|---|--|----------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |       |  |  |  |            |  |   |  |                |  |
| DIMENSION UNITS   |  | SCALE |  | CURRENT REV DESC:  |  |            |  |                            |  |                |  |
| mm  |  | NTS   |  |  |  |            |  |   |  |                |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |  |       |  | EC NO: 659393<br>DRWN: ABABUPS 2021/03/26<br>CHK'D: MRAMAKRISHNA 2021/03/30<br>APPR: MRAMAKRISHNA 2021/03/30 |  |            |  | CUSTOM HEADER<br>2.54MM DUAL ROW HEADER SINGLE WAFER, R/A   |  |                |  |
|   |  |       |  |  |  |            |  |   |  |                |  |
| 4 PLACES ±  |  | ±     |  | INITIAL REVISION:<br>DRWN: KSEE 2004/11/30<br>APPR: SCLOW 2004/12/16   |  |            |  | PRODUCT CUSTOMER DRAWING<br>DOCUMENT NUMBER: SD-87911-015<br>DOC TYPE: PSD<br>DOC PART: 001<br>REVISION: C3     |  |                |  |
| 3 PLACES ±  |  | ±     |  |  |  |            |  |   |  |                |  |
| 2 PLACES ±  |  | 0.2 ± |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS   |  |            |  | THIRD ANGLE PROJECTION<br> |  |                |  |
| 1 PLACE ±   |  | ±     |  |  |  |            |  |   |  |                |  |
| 0 PLACES ±  |  | ±     |  | DRAWING  |  | SERIES     |  | MATERIAL NUMBER   |  | CUSTOMER       |  |
| ANGULAR TOL ± 3.0°  |  |       |  | A3-SIZE  |  | 87911      |  | SEE TABLE   |  | GENERAL MARKET |  |
| DOCUMENT STATUS   |  | P1    |  | RELEASE DATE   |  | 2021/03/30 |  | 04:03:52  |  | SHEET NUMBER   |  |
|   |  |       |  |  |  |            |  |   |  | 9 OF 9         |  |



0.64 ± 0.05  
SQ TYP



**NOTE:**

1. MATERIAL:  
HOUSING: - LCP, GLASS FILLED, UL94V-0  
COLOR: BLACK  
TERMINAL: - COPPER ALLOY, 0.64MM SQ
2. PLATING TYPE:  
1) 15µin MIN. GOLD PLATE ON CONTACT AND  
75µin MIN. TIN ON SOLDER TAIL OVER  
50µin MIN. NICKEL OVERALL.  
2) 30µin MIN. GOLD PLATE ON CONTACT AND  
75µin MIN. TIN ON SOLDER TAIL OVER  
50µin MIN. NICKEL OVERALL.  
3) 100µin MIN. TIN OVERALL.  
50µin MIN. NICKEL OVERALL.
3. THE ABOVE 14 CKT SHOWN IS FOR ILLUSTRATION ONLY..
4. PIN PUSHOUT FORCE: 1KG MIN. IN EITHER DIRECTION
5. PART TO BE PACKED IN TUBE.
6. IRREGULAR CIRCUIT CUTOFF WITHIN BREAKAWAY SECTION IS PERMISSIBLE. CUTTING OR CHIPPING OF THE MAIN BODY IS NOT ACCEPTABLE
7. RECOMMENDED PCB THICKNESS = 1.60±0.10mm
8. PRODUCT SPECIFICATION: PS-87920-019
9. PACKAGING SPECIFICATION: PK-89990-519

|   |   |                        |      |   |  |                |  |                 |  |
|---|---|------------------------|------|---|--|----------------|--|-----------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |   |                        |      |   |  |                |  |                 |  |
| DIMENSION UNITS   |   | SCALE                  |      | CURRENT REV DESC: BRIGHT TIN PHASE OUT  |  |                |  |                 |  |
| mm  |   | 5:1                    |      |   |  |                |  |                 |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |   |                        |      |   |  |                |  |                 |  |
|   |   | MM                     | INCH | <b>CUSTOM HEADER</b><br><b>C-GRID DUAL ROW HEADER RIGHT ANGLE THROUGH HOLE</b><br><br><b>PRODUCT CUSTOMER DRAWING</b> |  |                |  |                 |  |
| 4 PLACES  | ± |                        |      |   |  |                |  |                 |  |
| 3 PLACES  | ± |                        |      |   |  |                |  |                 |  |
| 2 PLACES  | ± | 0.2                    |      |   |  |                |  |                 |  |
| 1 PLACE   | ± |                        |      |   |  |                |  |                 |  |
| 0 PLACES  | ± |                        |      | EC NO: 679909   |  | 2021/06/29     |  | DOCUMENT NUMBER |  |
| ANGULAR TOL   |   | ± 3.0°                 |      | DRWN: YLQIAO  |  | 2005/01/17     |  | SD-87911-027    |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |   | THIRD ANGLE PROJECTION |      | DRAWING   |  | SERIES         |  | MATERIAL NUMBER |  |
|   |   |                        |      | A3-SIZE   |  | 87911          |  | SEE TABLE       |  |
|   |   |                        |      | CUSTOMER  |  | GENERAL MARKET |  | SHEET NUMBER    |  |
|   |   |                        |      |   |  |                |  | 1 OF 4          |  |


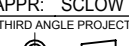
F  
E  
D  
C  
B  
A

| PART NO    | CKT SIZE | VOID POSITION | PLATING TYPE | DIMENSION |       |      |      |      |
|------------|----------|---------------|--------------|-----------|-------|------|------|------|
|            |          |               |              | A         | B     | M    | P    | E    |
| 87911-0411 | 4        | ----          | 1            | 5.08      | 2.54  | 6.10 | 3.18 | 2.27 |
| 87911-0412 | 4        | ----          | 2            | 5.08      | 2.54  | 6.10 | 3.18 | 2.27 |
| 87911-0413 | 4        | ----          | 3            | 5.08      | 2.54  | 6.10 | 3.18 | 2.27 |
| 87911-0611 | 6        | ----          | 1            | 7.62      | 5.08  | 6.10 | 3.18 | 2.27 |
| 87911-0612 | 6        | ----          | 2            | 7.62      | 5.08  | 6.10 | 3.18 | 2.27 |
| 87911-0613 | 6        | ----          | 3            | 7.62      | 5.08  | 6.10 | 3.18 | 2.27 |
| 87911-0811 | 8        | ----          | 1            | 10.16     | 7.62  | 6.10 | 3.18 | 2.27 |
| 87911-0812 | 8        | ----          | 2            | 10.16     | 7.62  | 6.10 | 3.18 | 2.27 |
| 87911-0813 | 8        | ----          | 3            | 10.16     | 7.62  | 6.10 | 3.18 | 2.27 |
| 87911-0800 | 8        | ----          | 1            | 10.16     | 10.16 | 6.10 | 3.18 | 2.27 |
| 87911-1011 | 10       | ----          | 1            | 12.7      | 10.16 | 6.10 | 3.18 | 2.27 |
| 87911-1012 | 10       | ----          | 2            | 12.7      | 10.16 | 6.10 | 3.18 | 2.27 |
| 87911-1013 | 10       | ----          | 3            | 12.7      | 10.16 | 6.10 | 3.18 | 2.27 |
| 87911-1211 | 12       | ----          | 1            | 15.24     | 12.70 | 6.10 | 3.18 | 2.27 |
| 87911-1212 | 12       | ----          | 2            | 15.24     | 12.70 | 6.10 | 3.18 | 2.27 |
| 87911-1213 | 12       | ----          | 3            | 15.24     | 12.70 | 6.10 | 3.18 | 2.27 |
| 87911-1411 | 14       | ----          | 1            | 17.78     | 15.24 | 6.10 | 3.18 | 2.27 |
| 87911-1412 | 14       | ----          | 2            | 17.78     | 15.24 | 6.10 | 3.18 | 2.27 |
| 87911-1413 | 14       | ----          | 3            | 17.78     | 15.24 | 6.10 | 3.18 | 2.27 |
| 87911-1611 | 16       | ----          | 1            | 20.32     | 17.78 | 6.10 | 3.18 | 2.27 |
| 87911-1612 | 16       | ----          | 2            | 20.32     | 17.78 | 6.10 | 3.18 | 2.27 |
| 87911-1613 | 16       | ----          | 3            | 20.32     | 17.78 | 6.10 | 3.18 | 2.27 |
| 87911-1618 | 16       | ----          | 3            | 20.32     | 17.78 | 6.10 | 3.18 | 2.27 |

(B3)

| PART NO    | CKT SIZE | VOID POSITION | PLATING TYPE | DIMENSION |       |      |      |      |
|------------|----------|---------------|--------------|-----------|-------|------|------|------|
|            |          |               |              | A         | B     | M    | P    | E    |
| 87911-1811 | 18       | —             | 1            | 22.86     | 20.32 | 6.10 | 3.18 | 2.27 |
| 87911-1812 | 18       | —             | 2            | 22.86     | 20.32 | 6.10 | 3.18 | 2.27 |
| 87911-1813 | 18       | —             | 3            | 22.86     | 20.32 | 6.10 | 3.18 | 2.27 |
| 87911-2011 | 20       | —             | 1            | 25.40     | 22.86 | 6.10 | 3.18 | 2.27 |
| 87911-2012 | 20       | —             | 2            | 25.40     | 22.86 | 6.10 | 3.18 | 2.27 |
| 87911-2013 | 20       | —             | 3            | 25.40     | 22.86 | 6.10 | 3.18 | 2.27 |
| 87911-2211 | 22       | —             | 1            | 27.94     | 25.40 | 6.10 | 3.18 | 2.27 |
| 87911-2212 | 22       | —             | 2            | 27.94     | 25.40 | 6.10 | 3.18 | 2.27 |
| 87911-2213 | 22       | —             | 3            | 27.94     | 25.40 | 6.10 | 3.18 | 2.27 |
| 87911-2411 | 24       | —             | 1            | 30.48     | 27.94 | 6.10 | 3.18 | 2.27 |
| 87911-2412 | 24       | —             | 2            | 30.48     | 27.94 | 6.10 | 3.18 | 2.27 |
| 87911-2413 | 24       | —             | 3            | 30.48     | 27.94 | 6.10 | 3.18 | 2.27 |
| 87911-2611 | 26       | —             | 1            | 33.02     | 30.48 | 6.10 | 3.18 | 2.27 |
| 87911-2612 | 26       | —             | 2            | 33.02     | 30.48 | 6.10 | 3.18 | 2.27 |
| 87911-2613 | 26       | —             | 3            | 33.02     | 30.48 | 6.10 | 3.18 | 2.27 |
| 87911-2614 | 26       | —             | 3            | 33.02     | 30.48 | 6.10 | 3.18 | 2.27 |
| 87911-2811 | 28       | —             | 1            | 35.56     | 33.02 | 6.10 | 3.18 | 2.27 |
| 87911-2812 | 28       | —             | 2            | 35.56     | 33.02 | 6.10 | 3.18 | 2.27 |
| 87911-2813 | 28       | —             | 3            | 35.56     | 33.02 | 6.10 | 3.18 | 2.27 |
| 87911-3011 | 30       | —             | 1            | 38.10     | 35.56 | 6.10 | 3.18 | 2.27 |
| 87911-3012 | 30       | —             | 2            | 38.10     | 35.56 | 6.10 | 3.18 | 2.27 |
| 87911-3013 | 30       | —             | 3            | 38.10     | 35.56 | 6.10 | 3.18 | 2.27 |

(B3)

|   |  |        |  |   |  |         |  |        |  |   |  |
|---|--|--------|--|---|--|---------|--|--------|--|---|--|
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| DIMENSION UNITS   |  | SCALE  |  | CURRENT REV DESC: BRIGHT TIN PHASE OUT  |  |         |  |        |  |  |  |
| mm  |  | 1:1    |  |   |  |         |  |        |  |   |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |  |        |  |   |  |         |  |        |  |   |  |
|   |  | MM     |  | INCH  |  |         |  |        |  |   |  |
| 4 PLACES  |  | ±      |  | ±   |  |         |  |        |  |   |  |
| 3 PLACES  |  | ±      |  | ±   |  |         |  |        |  |   |  |
| 2 PLACES  |  | ± 0.2  |  | ±   |  |         |  |        |  |   |  |
| 1 PLACE   |  | ±      |  | ±   |  |         |  |        |  |   |  |
| 0 PLACES  |  | ±      |  | ±   |  |         |  |        |  |   |  |
| ANGULAR TOL   |  | ± 3.0° |  |   |  |         |  |        |  |   |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |  |        |  | THIRD ANGLE PROJECTION  |  | DRAWING |  | SERIES |  | SHEET NUMBER  |  |
|   |  |        |  |  |  | A3-SIZE |  | 87911  |  | 2 OF 4  |  |

DOCUMENT NUMBER: SD-87911-027  
 DOC TYPE: PSD  
 DOC PART: 001  
 REVISION: B3


| PART NO    | CKT SIZE | VOID POSITION | PLATING TYPE | DIMENSION |       |      |      |      |
|------------|----------|---------------|--------------|-----------|-------|------|------|------|
|            |          |               |              | A         | B     | C    | D    | E    |
| 87911-3211 | 32       | —             | 1            | 40.64     | 38.10 | 6.10 | 3.18 | 2.27 |
| 87911-3212 | 32       | —             | 2            | 40.64     | 38.10 | 6.10 | 3.18 | 2.27 |
| 87911-3213 | 32       | —             | 3            | 40.64     | 38.10 | 6.10 | 3.18 | 2.27 |
| 87911-3214 | 32       | —             | 3            | 40.64     | 38.10 | 6.10 | 3.18 | 2.27 |
| 87911-3411 | 34       | —             | 1            | 43.18     | 40.64 | 6.10 | 3.18 | 2.27 |
| 87911-3412 | 34       | —             | 2            | 43.18     | 40.64 | 6.10 | 3.18 | 2.27 |
| 87911-3413 | 34       | —             | 3            | 43.18     | 40.64 | 6.10 | 3.18 | 2.27 |
| 87911-3611 | 36       | —             | 1            | 45.72     | 43.18 | 6.10 | 3.18 | 2.27 |
| 87911-3612 | 36       | —             | 2            | 45.72     | 43.18 | 6.10 | 3.18 | 2.27 |
| 87911-3613 | 36       | —             | 3            | 45.72     | 43.18 | 6.10 | 3.18 | 2.27 |
| 87911-3811 | 38       | —             | 1            | 48.26     | 45.72 | 6.10 | 3.18 | 2.27 |
| 87911-3812 | 38       | —             | 2            | 48.26     | 45.72 | 6.10 | 3.18 | 2.27 |
| 87911-3813 | 38       | —             | 3            | 48.26     | 45.72 | 6.10 | 3.18 | 2.27 |
| 87911-4011 | 40       | —             | 1            | 50.80     | 48.26 | 6.10 | 3.18 | 2.27 |
| 87911-4012 | 40       | —             | 2            | 50.80     | 48.26 | 6.10 | 3.18 | 2.27 |
| 87911-4013 | 40       | —             | 3            | 50.80     | 48.26 | 6.10 | 3.18 | 2.27 |
| 87911-4014 | 40       | —             | 3            | 50.80     | 48.26 | 6.10 | 3.18 | 2.27 |
| 87911-4211 | 42       | —             | 1            | 53.34     | 50.80 | 6.10 | 3.18 | 2.27 |
| 87911-4212 | 42       | —             | 2            | 53.34     | 50.80 | 6.10 | 3.18 | 2.27 |
| 87911-4213 | 42       | —             | 3            | 53.34     | 50.80 | 6.10 | 3.18 | 2.27 |
| 87911-4411 | 44       | —             | 1            | 55.88     | 53.34 | 6.10 | 3.18 | 2.27 |
| 87911-4412 | 44       | —             | 2            | 55.88     | 53.34 | 6.10 | 3.18 | 2.27 |
| 87911-4413 | 44       | —             | 3            | 55.88     | 53.34 | 6.10 | 3.18 | 2.27 |
| 87911-4414 | 44       | —             | 3            | 55.88     | 53.34 | 6.10 | 3.18 | 2.27 |

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(B3)

| PART NO    | CKT SIZE | VOID POSITION | PLATING TYPE | DIMENSION |       |      |      |      |
|------------|----------|---------------|--------------|-----------|-------|------|------|------|
|            |          |               |              | A         | B     | M    | P    | E    |
| 87911-4611 | 46       | —             | 1            | 58.42     | 55.88 | 6.10 | 3.18 | 2.27 |
| 87911-4612 | 46       | —             | 2            | 58.42     | 55.88 | 6.10 | 3.18 | 2.27 |
| 87911-4613 | 46       | —             | 3            | 58.42     | 55.88 | 6.10 | 3.18 | 2.27 |
| 87911-4811 | 48       | —             | 1            | 60.96     | 58.42 | 6.10 | 3.18 | 2.27 |
| 87911-4812 | 48       | —             | 2            | 60.96     | 58.42 | 6.10 | 3.18 | 2.27 |
| 87911-4813 | 48       | —             | 3            | 60.96     | 58.42 | 6.10 | 3.18 | 2.27 |
| 87911-5011 | 50       | —             | 1            | 63.50     | 60.96 | 6.10 | 3.18 | 2.27 |
| 87911-5012 | 50       | —             | 2            | 63.50     | 60.96 | 6.10 | 3.18 | 2.27 |
| 87911-5013 | 50       | —             | 3            | 63.50     | 60.96 | 6.10 | 3.18 | 2.27 |
| 87911-5211 | 52       | —             | 1            | 66.04     | 63.50 | 6.10 | 3.18 | 2.27 |
| 87911-5212 | 52       | —             | 2            | 66.04     | 63.50 | 6.10 | 3.18 | 2.27 |
| 87911-5213 | 52       | —             | 3            | 66.04     | 63.50 | 6.10 | 3.18 | 2.27 |
| 87911-5411 | 54       | —             | 1            | 68.58     | 66.04 | 6.10 | 3.18 | 2.27 |
| 87911-5412 | 54       | —             | 2            | 68.58     | 66.04 | 6.10 | 3.18 | 2.27 |
| 87911-5413 | 54       | —             | 3            | 68.58     | 66.04 | 6.10 | 3.18 | 2.27 |
| 87911-5611 | 56       | —             | 1            | 71.12     | 68.58 | 6.10 | 3.18 | 2.27 |
| 87911-5612 | 56       | —             | 2            | 71.12     | 68.58 | 6.10 | 3.18 | 2.27 |
| 87911-5613 | 56       | —             | 3            | 71.12     | 68.58 | 6.10 | 3.18 | 2.27 |
| 87911-5811 | 58       | —             | 1            | 73.66     | 71.12 | 6.10 | 3.18 | 2.27 |
| 87911-5812 | 58       | —             | 2            | 73.66     | 71.12 | 6.10 | 3.18 | 2.27 |
| 87911-5813 | 58       | —             | 3            | 73.66     | 71.12 | 6.10 | 3.18 | 2.27 |

|   |   |        |      |  |  |                        |  |                 |  |
|---|---|--------|------|--|--|------------------------|--|-----------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |   |        |      |  |  |                        |  |                 |  |
| DIMENSION UNITS   |   | SCALE  |      | CURRENT REV DESC: BRIGHT TIN PHASE OUT   |  |                        |  |                 |  |
| mm  |   | 1:1    |      |  <p>CUSTOM HEADER<br/>C-GRID DUAL ROW HEADER RIGHT ANGLE THROUGH HOLE</p> <p>PRODUCT CUSTOMER DRAWING</p> |  |                        |  |                 |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |   |        |      |  |  |                        |  |                 |  |
|   |   | MM     | INCH |  |  |                        |  |                 |  |
| 4 PLACES  | ± |        | ±    |  |  |                        |  |                 |  |
| 3 PLACES  | ± |        | ±    |  |  |                        |  |                 |  |
| 2 PLACES  | ± | 0.2    | ±    |  |  |                        |  |                 |  |
| 1 PLACE   | ± |        | ±    |  |  |                        |  |                 |  |
| 0 PLACES  | ± |        | ±    |  |  |                        |  |                 |  |
| ANGULAR TOL   |   | ± 3.0° |      | EC NO: 679909  |  | DRWN: AKUMAR19         |  | 2021/06/29      |  |
|   |   |        |      | CHK'D: MRAMAKRISHNA  |  | APPR: MRAMAKRISHNA     |  | 2021/10/11      |  |
|   |   |        |      | INITIAL REVISION:  |  | DRWN: YLQIAO           |  | 2005/01/17      |  |
|   |   |        |      | APPR: SLOW   |  | 2005/01/25             |  | DOCUMENT NUMBER |  |
|   |   |        |      | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS   |  | THIRD ANGLE PROJECTION |  | DRAWING         |  |
|   |   |        |      |  |  | A3-SIZE                |  | SERIES          |  |
|   |   |        |      |  |  | 87911                  |  | MATERIAL NUMBER |  |
|   |   |        |      |  |  | SEE TABLE              |  | CUSTOMER        |  |
|   |   |        |      |  |  | GENERAL MARKET         |  | SHEET NUMBER    |  |
|   |   |        |      |  |  | 3 OF 4                 |  | REVISION        |  |
|   |   |        |      |  |  |                        |  | SD-87911-027    |  |
|   |   |        |      |  |  |                        |  | PSD 001 B3      |  |

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| PART NO    | CKT SIZE | VOID POSITION | PLATING TYPE | DIMENSION |       |      |      |      |
|------------|----------|---------------|--------------|-----------|-------|------|------|------|
|            |          |               |              | A         | B     | M    | P    | E    |
| 87911-6011 | 60       | —             | 1            | 76.20     | 73.66 | 6.10 | 3.18 | 2.27 |
| 87911-6012 | 60       | —             | 2            | 76.20     | 73.66 | 6.10 | 3.18 | 2.27 |
| 87911-6013 | 60       | —             | 3            | 76.20     | 73.66 | 6.10 | 3.18 | 2.27 |
| 87911-6211 | 62       | —             | 1            | 78.74     | 76.20 | 6.10 | 3.18 | 2.27 |
| 87911-6212 | 62       | —             | 2            | 78.74     | 76.20 | 6.10 | 3.18 | 2.27 |
| 87911-6213 | 62       | —             | 3            | 78.74     | 76.20 | 6.10 | 3.18 | 2.27 |
| 87911-6411 | 64       | —             | 1            | 81.28     | 78.74 | 6.10 | 3.18 | 2.27 |
| 87911-6412 | 64       | —             | 2            | 81.28     | 78.74 | 6.10 | 3.18 | 2.27 |
| 87911-6413 | 64       | —             | 3            | 81.28     | 78.74 | 6.10 | 3.18 | 2.27 |
| 87911-6611 | 66       | —             | 1            | 83.82     | 81.28 | 6.10 | 3.18 | 2.27 |
| 87911-6612 | 66       | —             | 2            | 83.82     | 81.28 | 6.10 | 3.18 | 2.27 |
| 87911-6613 | 66       | —             | 3            | 83.82     | 81.28 | 6.10 | 3.18 | 2.27 |
| 87911-6811 | 68       | —             | 1            | 86.36     | 83.82 | 6.10 | 3.18 | 2.27 |
| 87911-6812 | 68       | —             | 2            | 86.36     | 83.82 | 6.10 | 3.18 | 2.27 |
| 87911-6813 | 68       | —             | 3            | 86.36     | 83.82 | 6.10 | 3.18 | 2.27 |
| 87911-7011 | 70       | —             | 1            | 88.90     | 86.36 | 6.10 | 3.18 | 2.27 |
| 87911-7012 | 70       | —             | 2            | 88.90     | 86.36 | 6.10 | 3.18 | 2.27 |
| 87911-7013 | 70       | —             | 3            | 88.90     | 86.36 | 6.10 | 3.18 | 2.27 |
| 87911-7211 | 72       | —             | 1            | 91.44     | 88.90 | 6.10 | 3.18 | 2.27 |
| 87911-7212 | 72       | —             | 2            | 91.44     | 88.90 | 6.10 | 3.18 | 2.27 |
| 87911-7213 | 72       | —             | 3            | 91.44     | 88.90 | 6.10 | 3.18 | 2.27 |

| PART NO    | CKT SIZE | VOID POSITION | PLATING TYPE | DIMENSION |       |      |      |      |
|------------|----------|---------------|--------------|-----------|-------|------|------|------|
|            |          |               |              | A         | B     | M    | P    | E    |
| 87911-7411 | 74       | —             | 1            | 93.98     | 91.44 | 6.10 | 3.18 | 2.27 |
| 87911-7412 | 74       | —             | 2            | 93.98     | 91.44 | 6.10 | 3.18 | 2.27 |
| 87911-7413 | 74       | —             | 3            | 93.98     | 91.44 | 6.10 | 3.18 | 2.27 |
| 87911-7611 | 76       | —             | 1            | 96.52     | 93.98 | 6.10 | 3.18 | 2.27 |
| 87911-7612 | 76       | —             | 2            | 96.52     | 93.98 | 6.10 | 3.18 | 2.27 |
| 87911-7613 | 76       | —             | 3            | 96.52     | 93.98 | 6.10 | 3.18 | 2.27 |
| 87911-7811 | 78       | —             | 1            | 99.06     | 96.52 | 6.10 | 3.18 | 2.27 |
| 87911-7812 | 78       | —             | 2            | 99.06     | 96.52 | 6.10 | 3.18 | 2.27 |
| 87911-7813 | 78       | —             | 3            | 99.06     | 96.52 | 6.10 | 3.18 | 2.27 |
| 87911-8011 | 80       | —             | 1            | 101.60    | 99.06 | 6.10 | 3.18 | 2.27 |
| 87911-8012 | 80       | —             | 2            | 101.60    | 99.06 | 6.10 | 3.18 | 2.27 |
| 87911-8013 | 80       | —             | 3            | 101.60    | 99.06 | 6.10 | 3.18 | 2.27 |

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|---|--|-------|--|--|--|-----------------|--|---|--|
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| DIMENSION UNITS   |  | SCALE |  | CURRENT REV DESC: BRIGHT TIN PHASE OUT |  |                 |  | <b>molex</b>                                    |  |
| mm  |  | 1:1   |  |  |  |                 |  |   |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |  |       |  | EC NO: 679909                          |  | CUSTOM HEADER   |  | C-GRID DUAL ROW HEADER RIGHT ANGLE THROUGH HOLE |  |
|   |  |       |  | DRWN: AKUMAR19                         |  | 2021/06/29      |  |   |  |
|   |  |       |  | CHK'D: MRAMAKRISHNA                    |  | 2021/10/11      |  |   |  |
|   |  |       |  | APPR: MRAMAKRISHNA                     |  | 2021/10/11      |  |   |  |
|   |  |       |  | INITIAL REVISION:                      |  | DOCUMENT NUMBER |  | DOC TYPE   DOC PART   REVISION                  |  |
|   |  |       |  | DRWN: YLQIAO                           |  | 2005/01/17      |  | SD-87911-027                                    |  |
|   |  |       |  | APPR: SLOW                             |  | 2005/01/25      |  | PSD   001   B3                                  |  |
| ANGULAR TOL ± 3.0°  |  |       |  | THIRD ANGLE PROJECTION                 |  | DRAWING         |  | SERIES  |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |  |       |  |  |  | A3-SIZE         |  | 87911   |  |
|   |  |       |  | MATERIAL NUMBER                        |  | CUSTOMER        |  | SHEET NUMBER                                    |  |
|   |  |       |  | SEE TABLE                              |  | GENERAL MARKET  |  | 4 OF 4  |  |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2021/10/11 | 11:54:06 |
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 REVISION: E  
 DATE: 2020/01/14

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