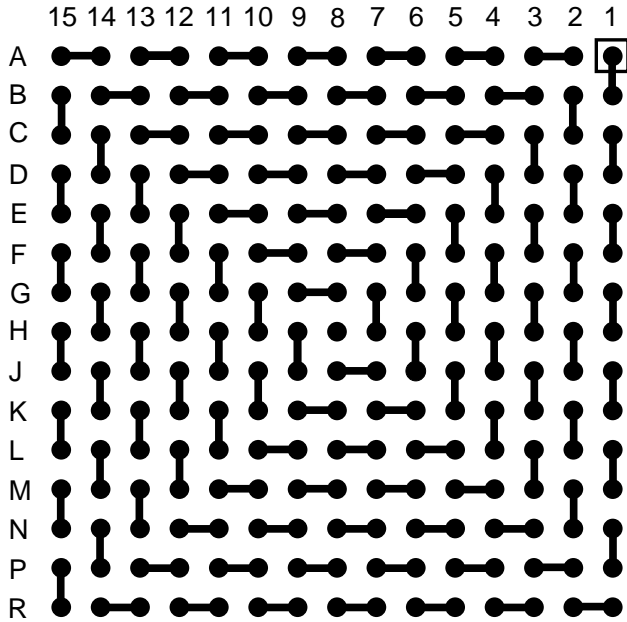


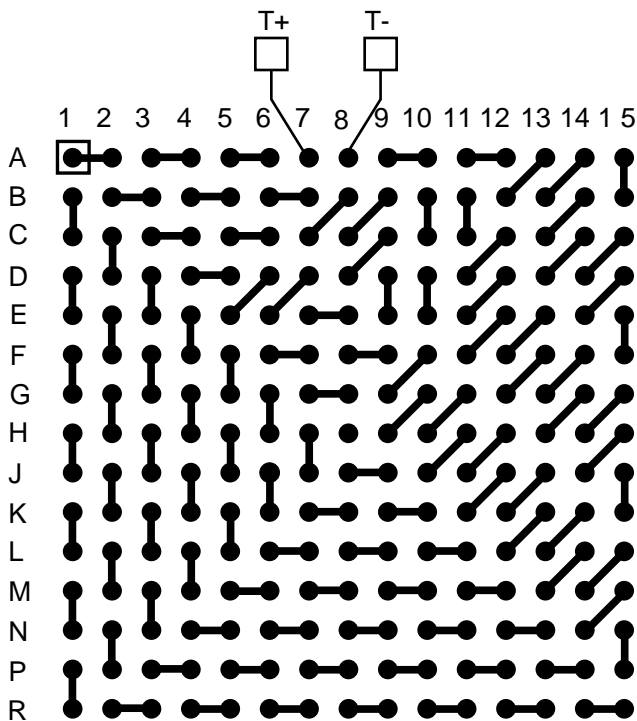
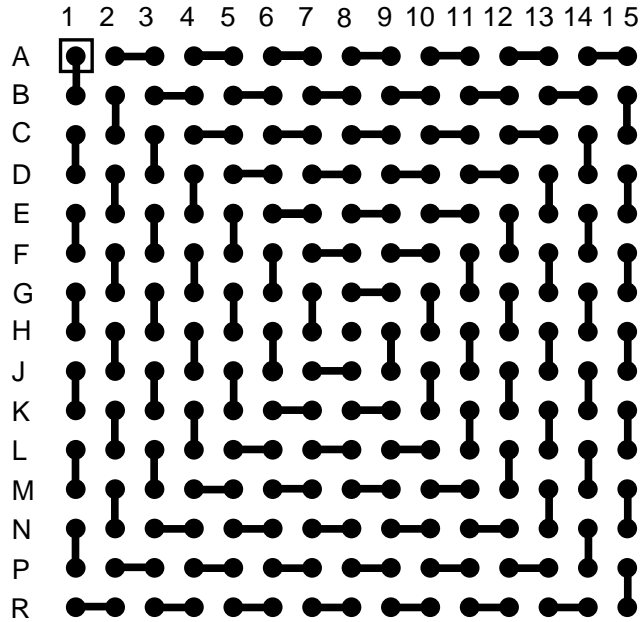
TEL 1-714-898-3830  
info@toplinedummy.com

| BALLS | PITCH  | SIZE    | MATRIX  | ROWS | CENTER | MAT'L |
|-------|--------|---------|---------|------|--------|-------|
| 225   | 1.27mm | 21mm SQ | 15 x 15 | full | full   | FR4   |

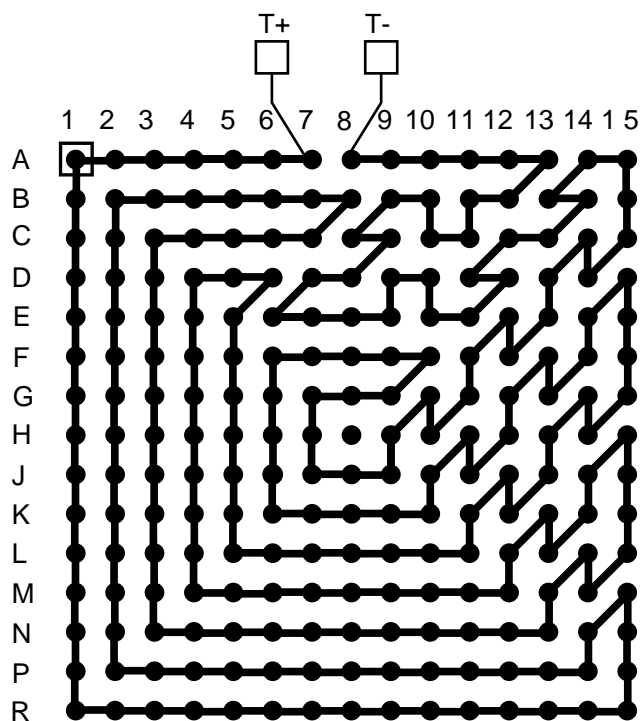
**BALL VIEW**



**BOTTOM SIDE (TOP X-RAY VIEW)**



**TEST VEHICLE BOARD**



**AFTER MOUNTING TO TEST BOARD**

# LBGA225T1.27-DC159

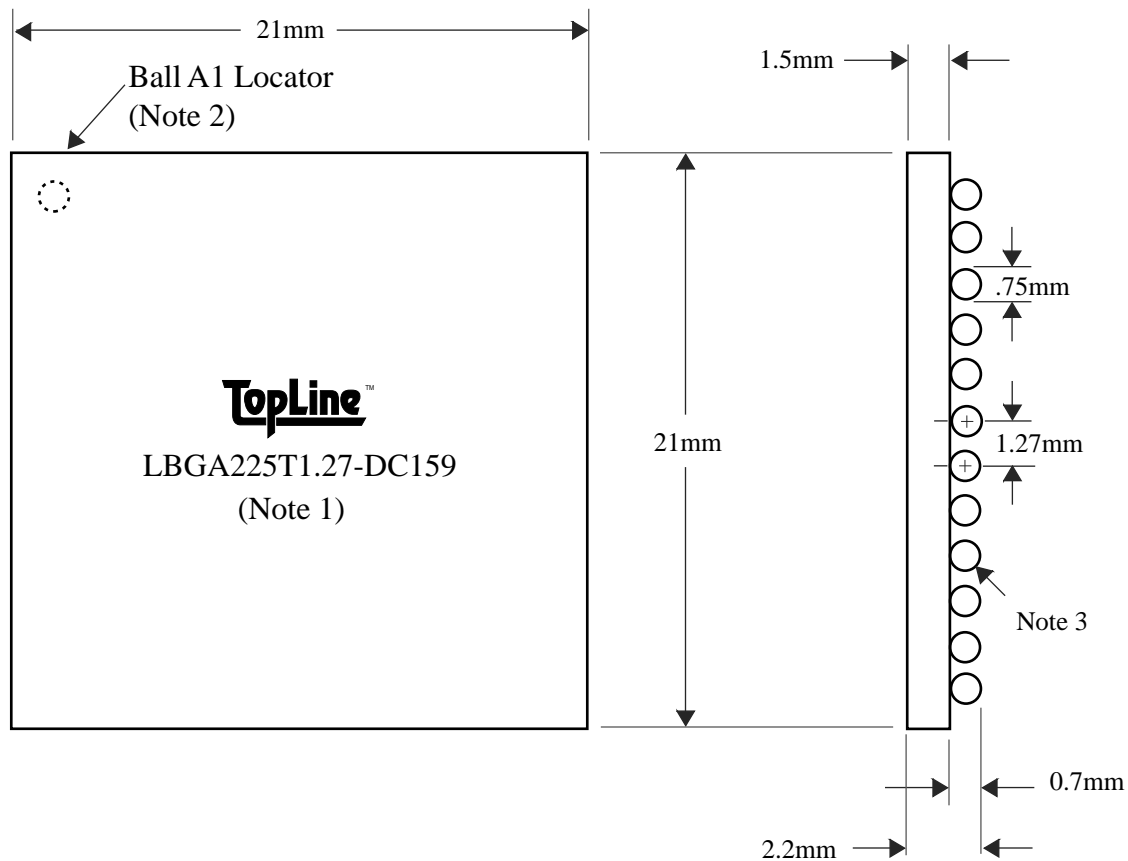


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| <u>BALLS</u> | <u>PITCH</u> | <u>SIZE</u> | <u>MATRIX</u> | <u>ROWS</u> | <u>CENTER</u> | <u>MAT'L</u> |
|--------------|--------------|-------------|---------------|-------------|---------------|--------------|
| 225          | 1.27mm       | 21mm SQ     | 15 x 15       | full        | full          | FR4          |

**TOP VIEW**

**SIDE VIEW**



| NOTES  |   | REVISIONS                                 |             |                |
|--------|---|---|-------------|----------------|
| Note 1 | Logo and part number centered<br>White ink on black solder mask | <u>Rev</u>                                | <u>Date</u> | <u>Changes</u> |
| Note 2 | Ball A1 locator mark positioned in corner                       |   |             |                |
| Note 3 | Ball Material: 62/36/2 SnPbAg                                   | <b>PACKAGING TRAYS</b>                    |             |                |
| Note 4 | Substrate Material: FR4 laminate                                | Tray BGATRAY21mm-5x12<br>Tray Quantity 60 |             |                |