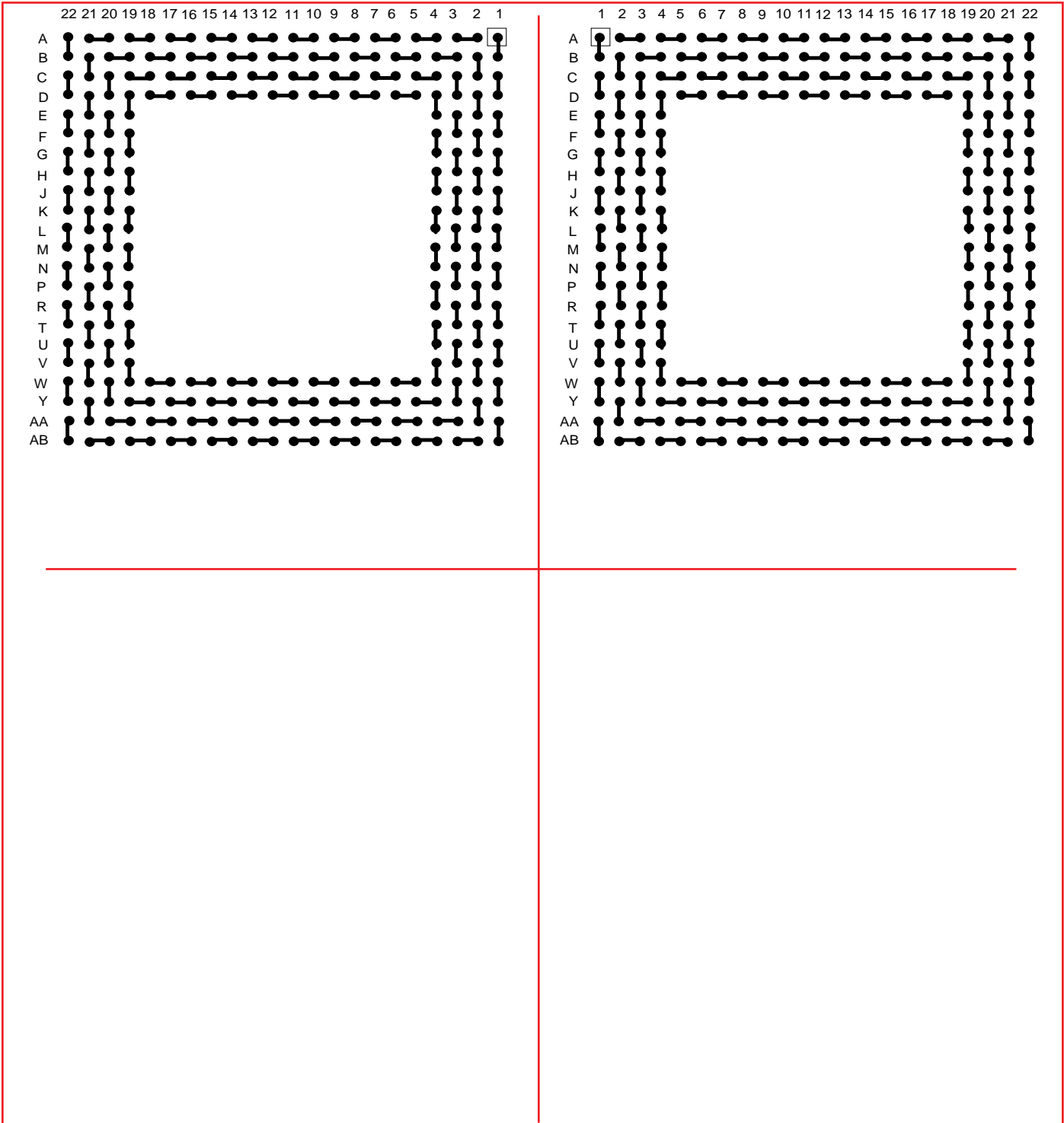


TEL 1-714-898-3830  
info@toplinedummy.com

| <u>BALLS</u> | <u>PITCH</u> | <u>SIZE</u> | <u>MATRIX</u> | <u>ROWS</u> | <u>CENTER</u> | <u>MAT'L</u> |
|--------------|--------------|-------------|---------------|-------------|---------------|--------------|
| 288          | 1.0mm        | 23mm SQ     | 22 x 22       | 4           | none          | FR4          |

**BALL VIEW**

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



**TEST VEHICLE BOARD**

**AFTER MOUNTING TO TEST BOARD**

# LBGA288T1.0-DC220

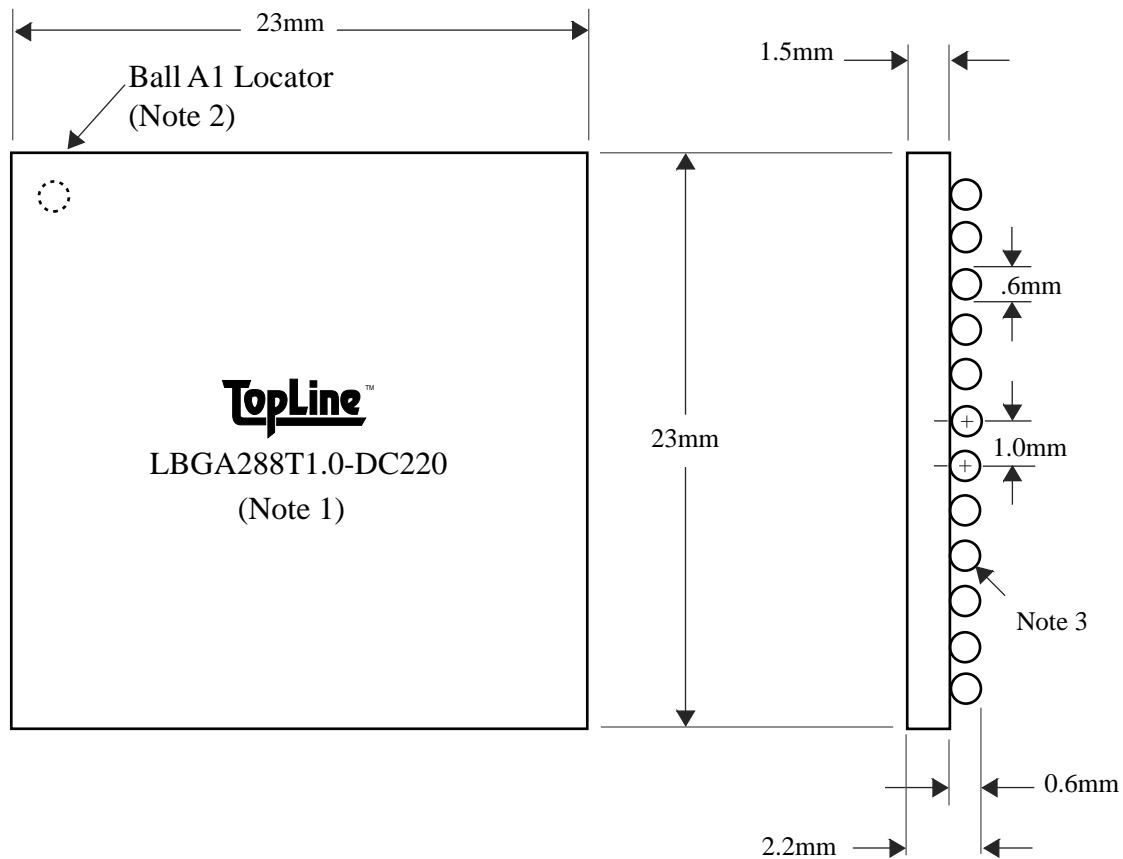


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| BALLS | PITCH | SIZE    | MATRIX  | ROWS | CENTER | MAT'L |
|-------|-------|---------|---------|------|--------|-------|
| 288   | 1.0mm | 23mm SQ | 22 x 22 | 4    | none   | FR4   |

TOP VIEW

SIDE VIEW



| NOTES  |   | REVISIONS                                 |      |         |
|--------|---|---|------|---------|
| Note 1 | Logo and part number centered<br>White ink on black solder mask | Rev                                       | Date | Changes |
| 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 BGATRAY23mm-5x12<br>Tray Quantity 60 |      |         |