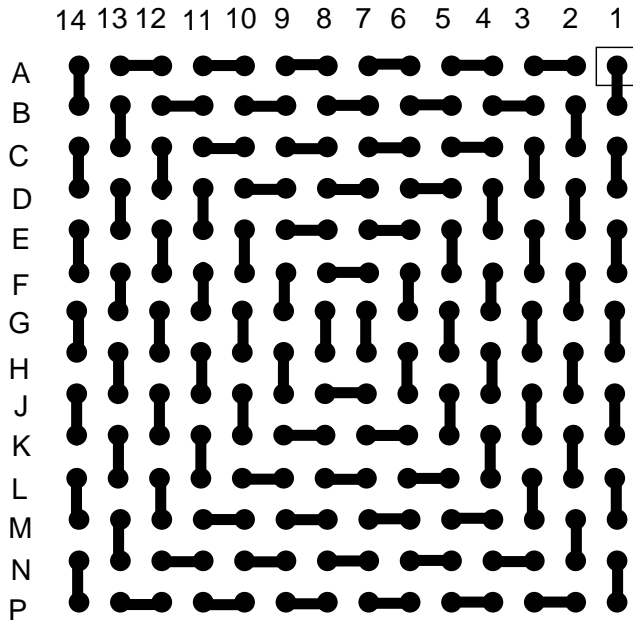
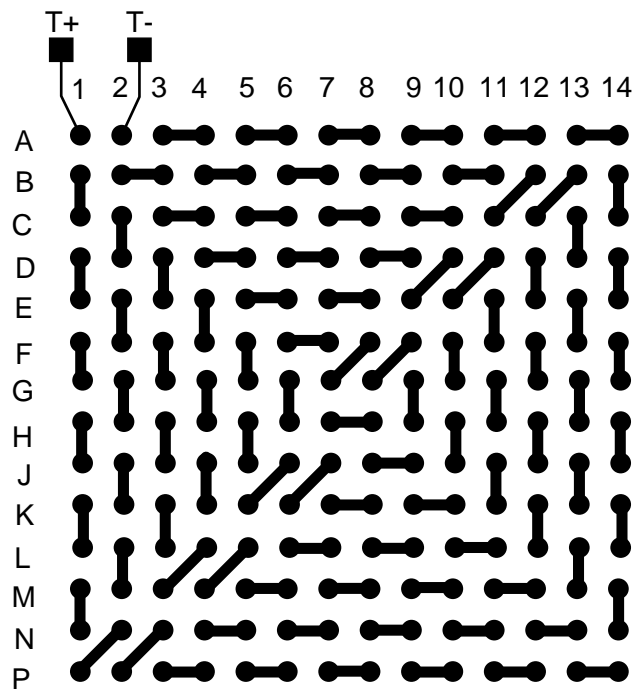
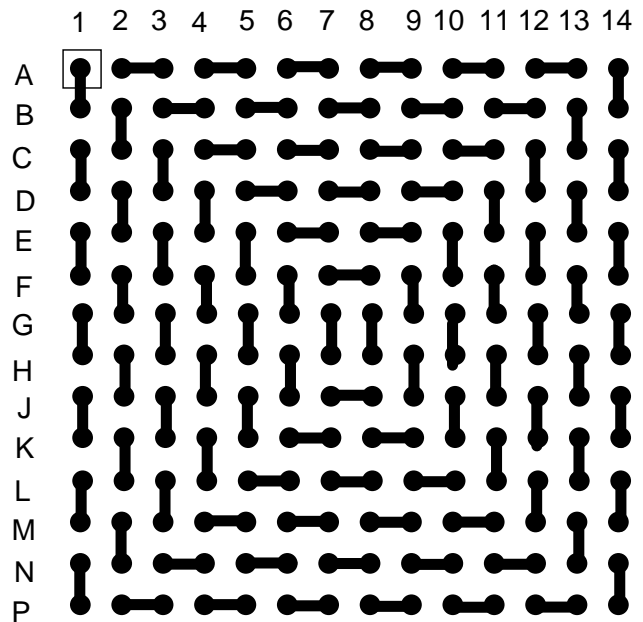


| BALLS | PITCH | SIZE | MATRIX | ROWS | CENTER | MAT'L |
|-------|-------|---------|---------|------|--------|-------|
| 196 | 1.0mm | 15mm SQ | 14 x 14 | full | full | FR4 |

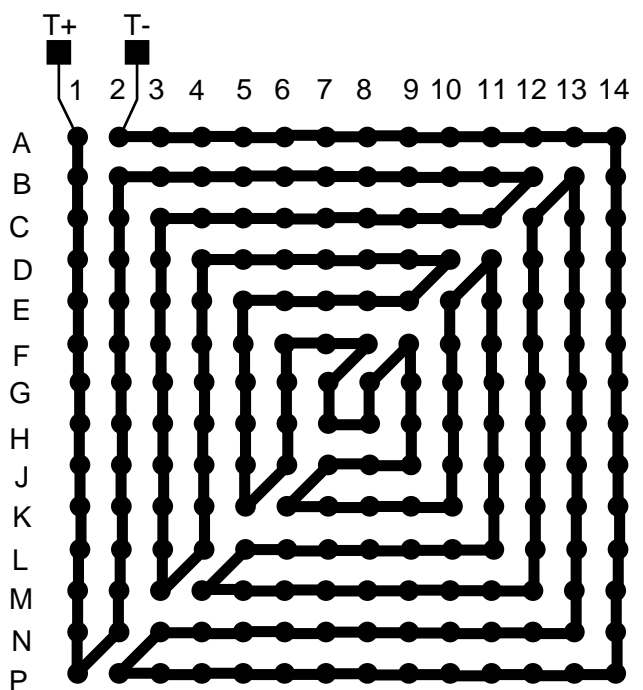
BALL VIEW



BOTTOM SIDE (TOP X-RAY VIEW)



TEST VEHICLE BOARD



AFTER MOUNTING TO TEST BOARD

LBGA196T1.0-DC149

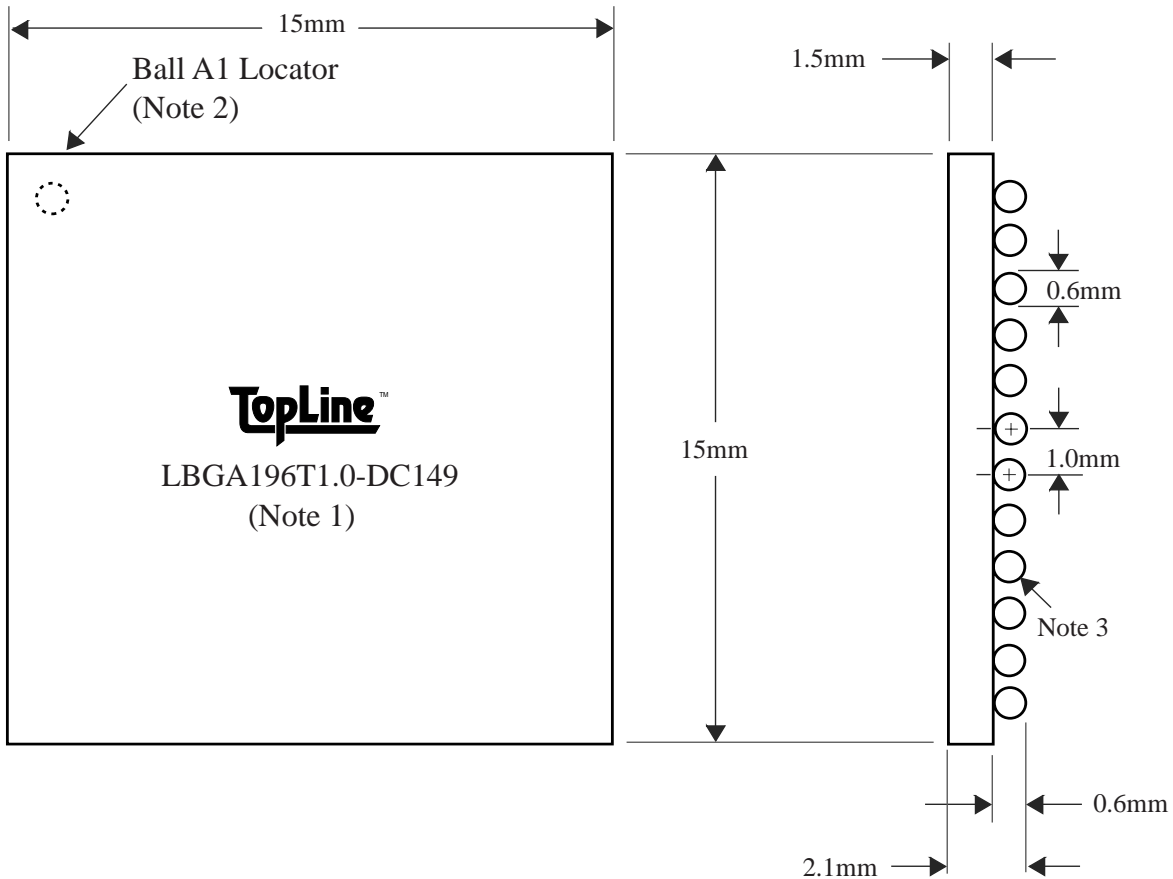


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info@toplinedummy.com

| BALLS | PITCH | SIZE | MATRIX | ROWS | CENTER | MAT'L |
|-------|-------|---------|---------|------|--------|-------|
| 196 | 1.0mm | 15mm SQ | 14 x 14 | full | full | FR4 |

TOP VIEW

SIDE VIEW



| NOTES | | REVISIONS | | |
|--------|---|--|------|---------|
| Note 1 | Logo and part number centered 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 | | | |
| Note 4 | Substrate Material: FR4 laminate | | | |
| | | PACKAGING TRAYS | | |
| | | Tray BGATRAY15mm-7x18 Tray Quantity 126 | | |