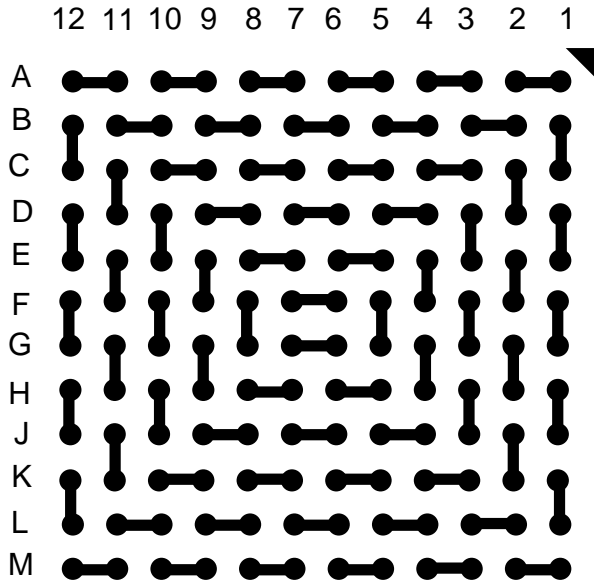
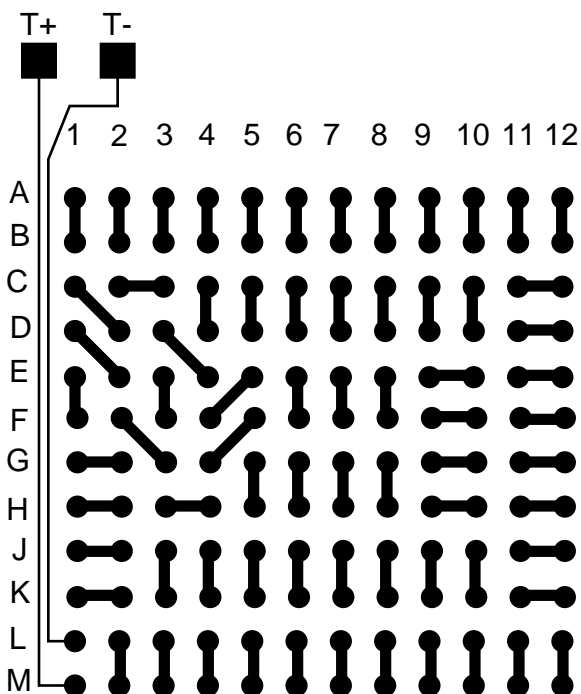
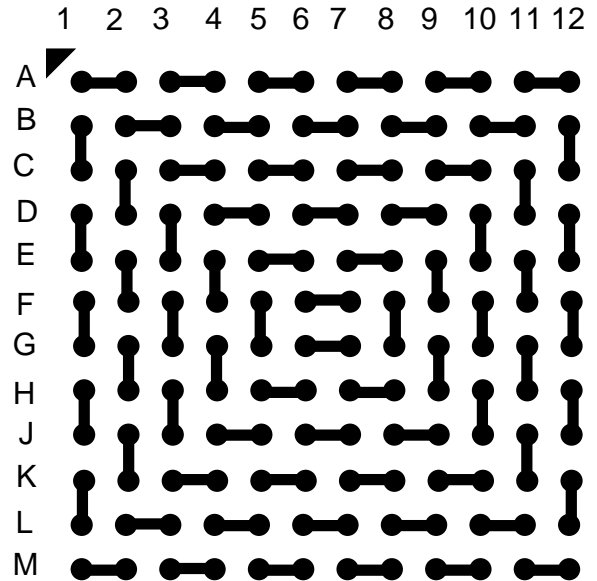


| BALLS | PITCH | SIZE | MATRIX | ROWS | CENTER | MAT'L |
|-------|-------|---------|---------|------|--------|-------|
| 144 | 1.0mm | 13mm SQ | 12 x 12 | full | full | FR4 |

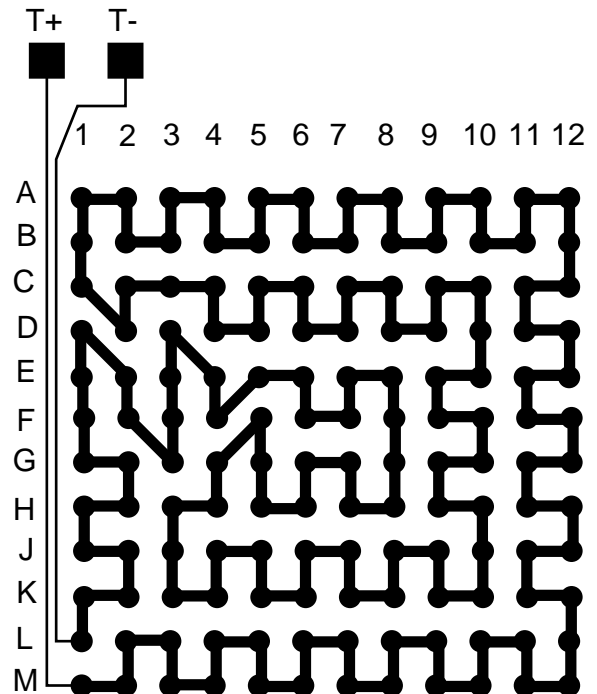
BALL VIEW



BOTTOM SIDE (TOP X-RAY VIEW)



TEST VEHICLE BOARD



AFTER MOUNTING TO TEST BOARD

LBGA144T1.0C-DC128 Lead Free

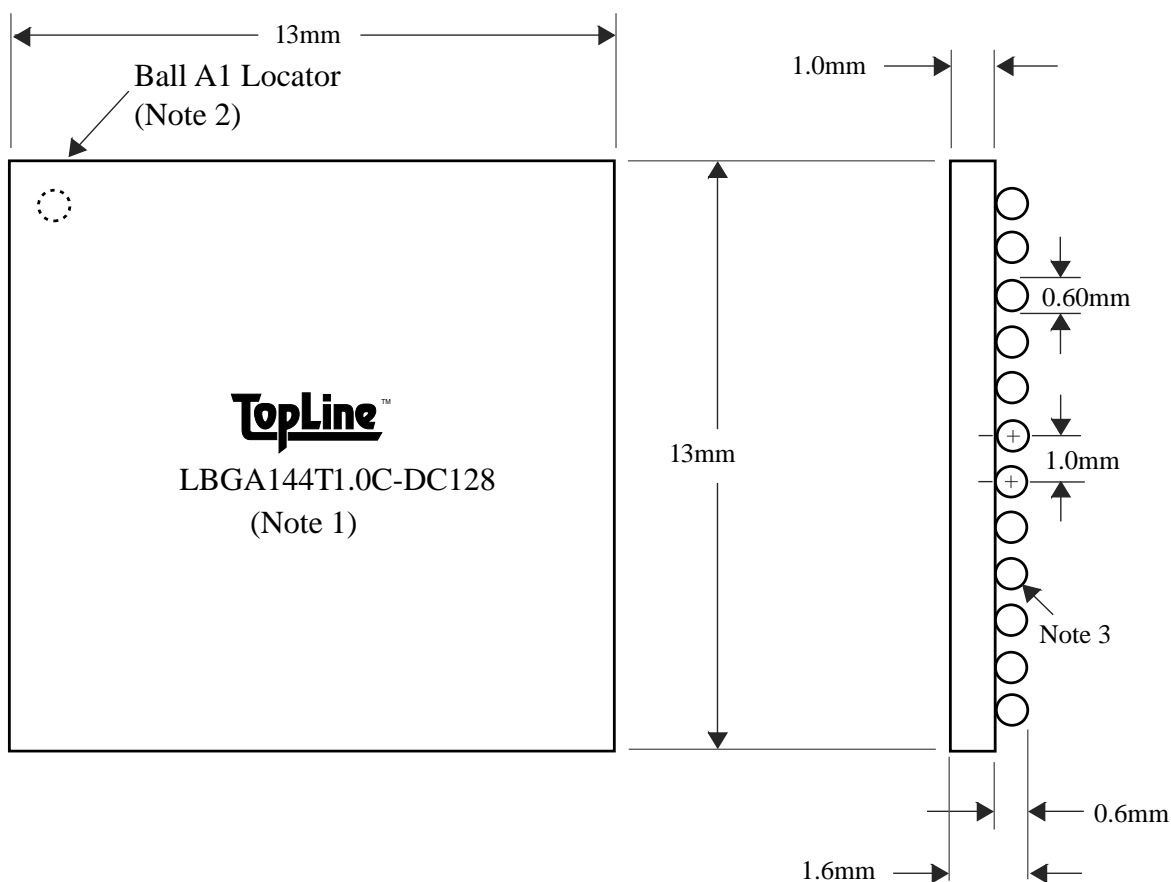


TEL 1-714-898-3830
info@topline.tv

| BALLS | PITCH | SIZE | MATRIX | ROWS | CENTER | MAT'L |
|-------|-------|---------|---------|------|--------|-------|
| 144 | 1.0mm | 13mm SQ | 12 x 12 | full | full | FR4 |

TOP VIEW

SIDE VIEW



| NOTES | | |
|--------|---|--|
| Note 1 | Logo and part number centered White ink on black solder mask | |
| Note 2 | Ball A1 locator mark positioned in corner | |
| Note 3 | Ball Material: Sn96.5 Ag3.0 Cu0.5 | |
| Note 4 | Substrate Material: FR4 | |
| | | PACKAGING TRAYS |
| | | Tray BGATRAY13mm-8x20 Subject to Change Tray Quantity 160 Subject to Change |