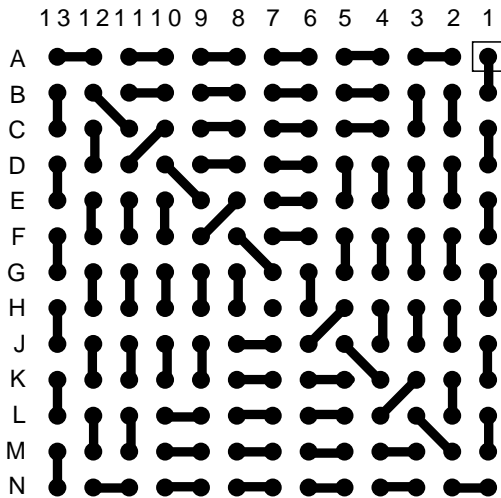


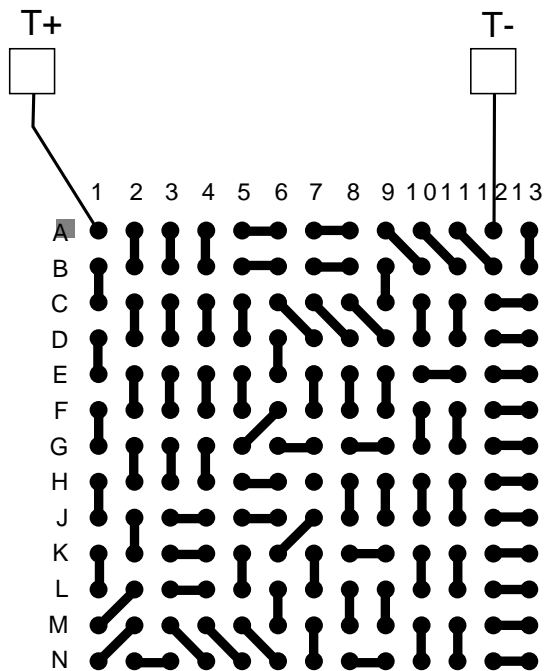
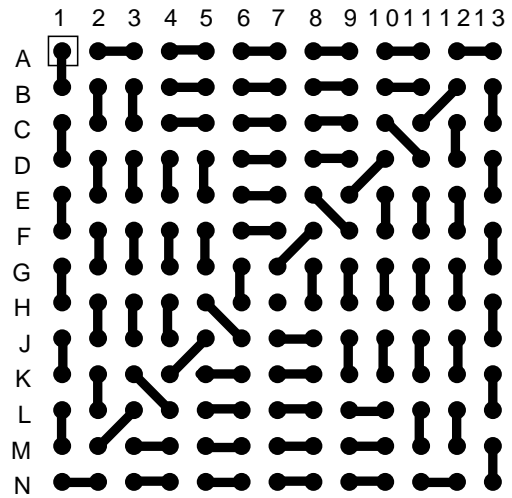
BALLS	PITCH	SIZE
169	1.5mm	23mm SQ

MATRIX	ROWS	CENTER	MAT'L
13 x 13	full	full	FR4

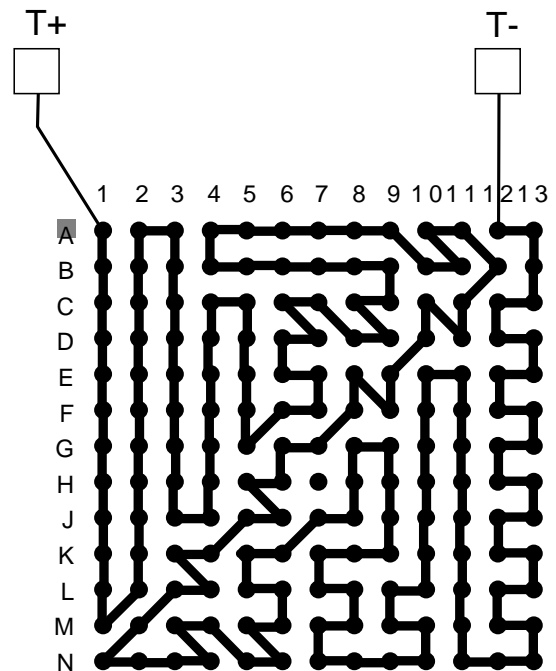
BALL VIEW



BOTTOM SIDE (TOP X-RAY VIEW)



TEST VEHICLE BOARD



AFTER MOUNTING TO TEST BOARD

LBGA169T1.5-DC10

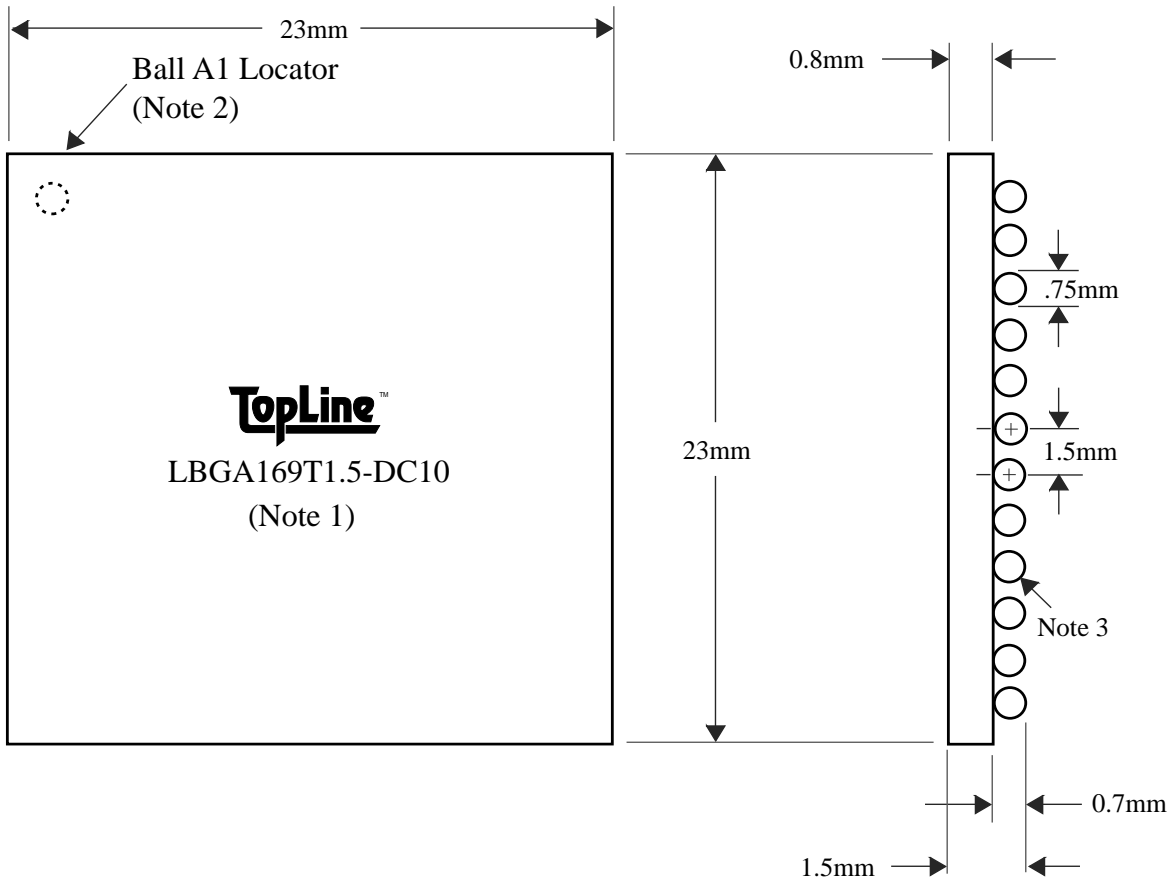


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<u>BALLS</u>	<u>PITCH</u>	<u>SIZE</u>	<u>MATRIX</u>	<u>ROWS</u>	<u>CENTER</u>	<u>MAT'L</u>
169	1.5mm	23mm SQ	13 x 13	full	full	FR4

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		11/14/98 Proposed Design
Note 3	Ball Material: 62/36/2 SnPbAg	PACKAGING TRAYS	
Note 4	Substrate Material: FR4 laminate	Tray BGATRAY23mm-5x12 Tray Quantity 60	