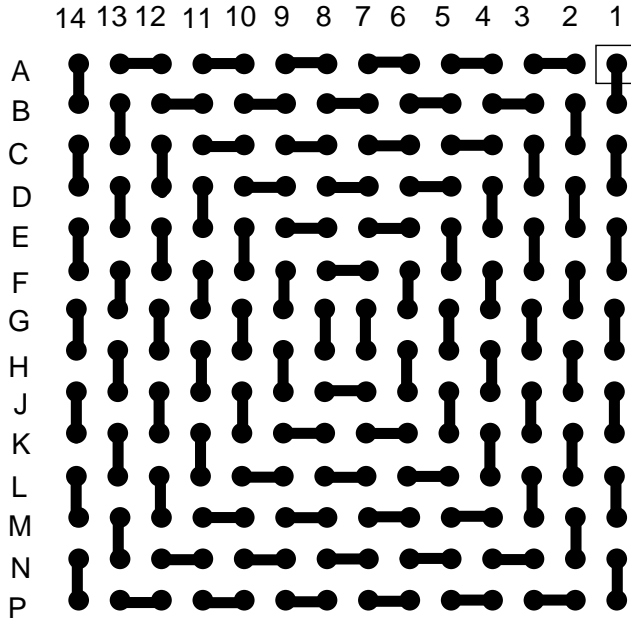


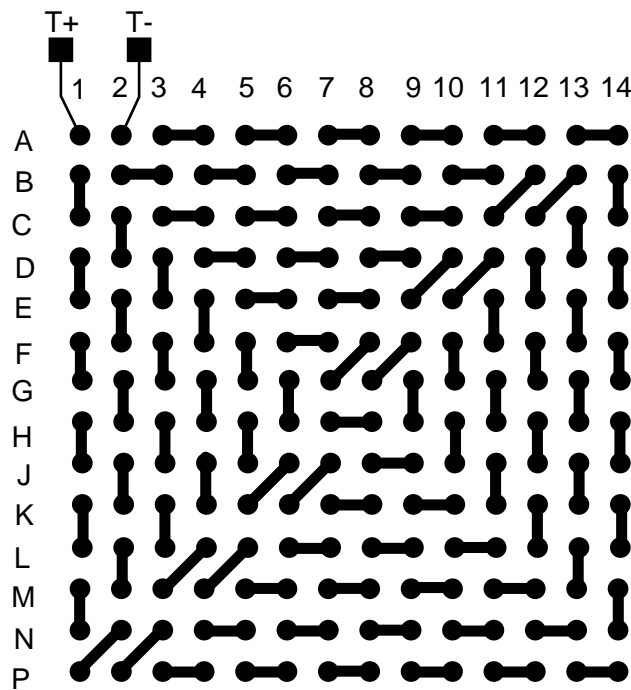
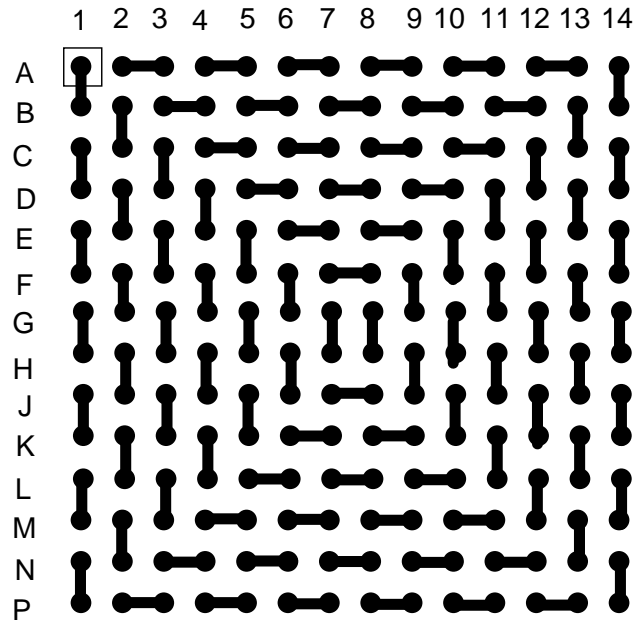
TEL 1-714-898-3830
 info@toplinedummy.com

<u>BALLS</u>	<u>PITCH</u>	<u>SIZE</u>	<u>MATRIX</u>	<u>ROWS</u>	<u>CENTER</u>	<u>MAT'L</u>
196	1.0mm	15mm SQ	14 x 14	full	full	FR4

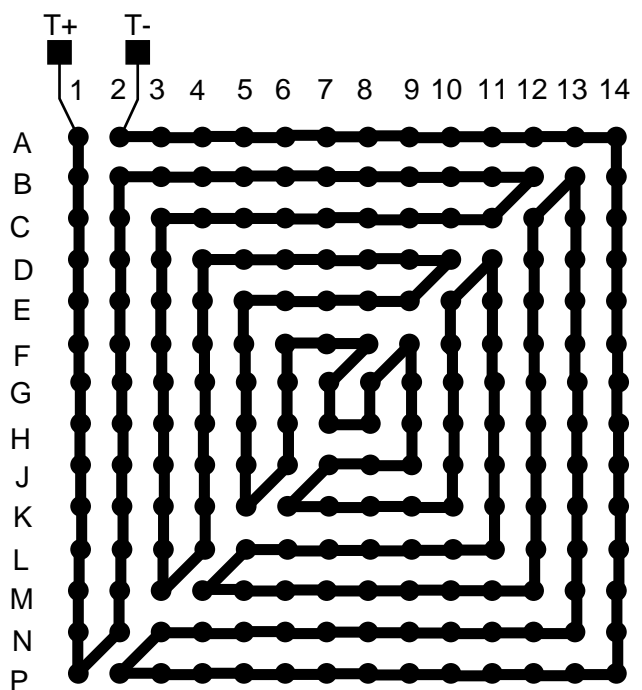
BALL VIEW



BOTTOM SIDE (TOP X-RAY VIEW)



TEST VEHICLE BOARD



AFTER MOUNTING TO TEST BOARD

LBGA196T1.0F-DC149

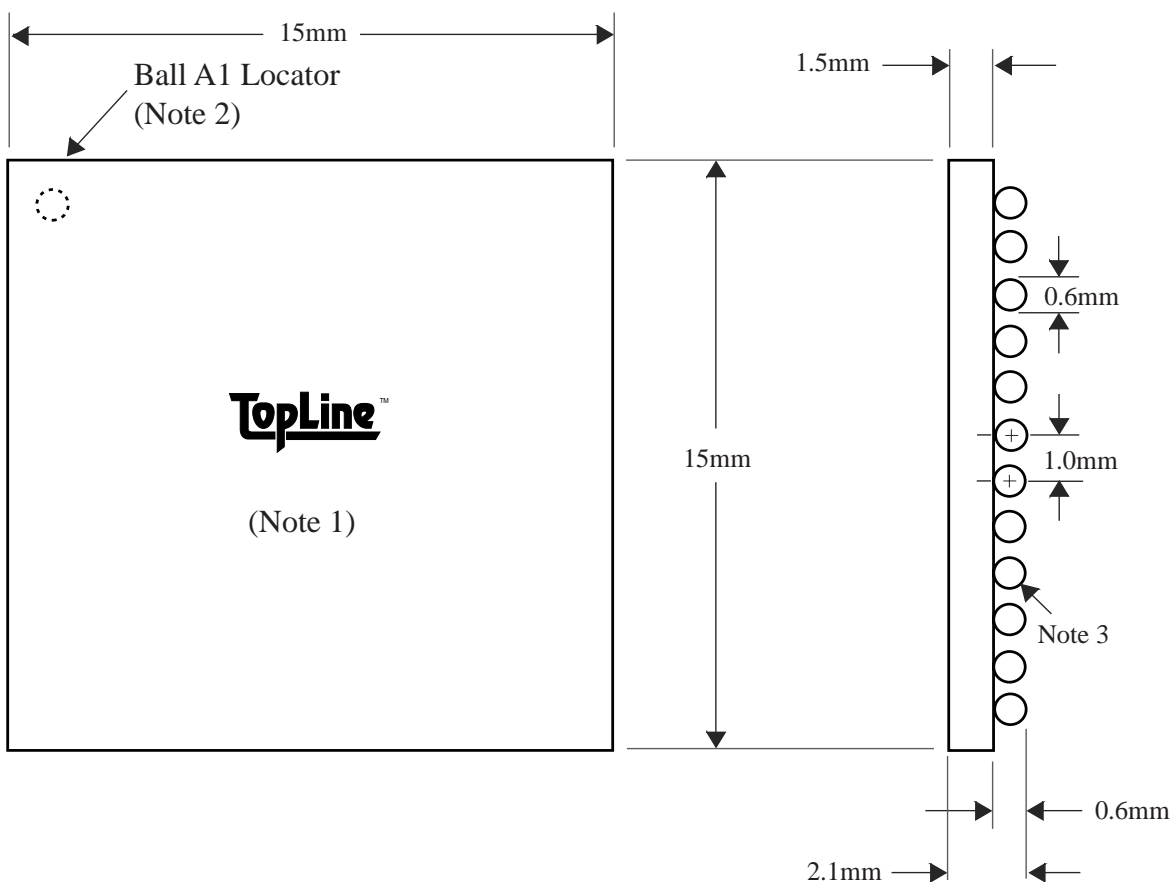


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<u>BALLS</u>	<u>PITCH</u>	<u>SIZE</u>	<u>MATRIX</u>	<u>ROWS</u>	<u>CENTER</u>	<u>MAT'L</u>
196	1.0mm	15mm SQ	14 x 14	full	full	FR4

TOP VIEW

SIDE VIEW



NOTES		REVISIONS		
Note 1	Logo and part number centered White ink on black solder mask	<u>Rev</u>	<u>Date</u>	<u>Changes</u>
Note 2	Ball A1 locator mark positioned in corner			
Note 3	Ball Material: Sn96.5/Pb3.5 Lead Free			
Note 4	Substrate Material: FR4 laminate			
		PACKAGING TRAYS		
		Tray BGATRAY15mm-7x18 Tray Quantity 126		