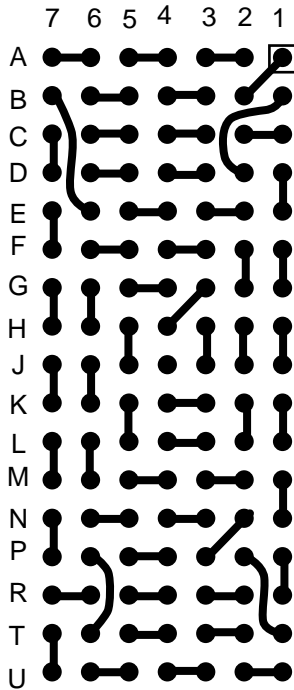


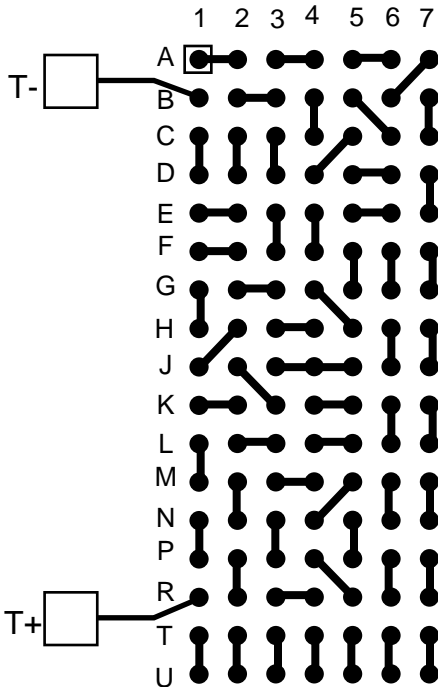
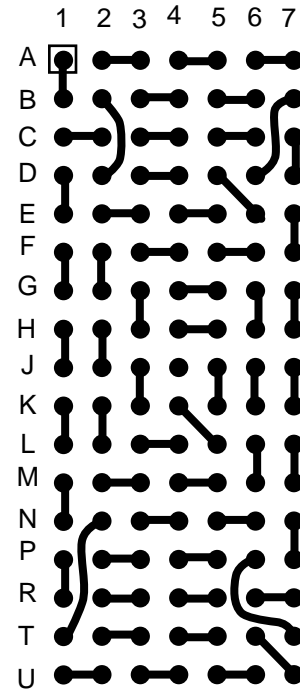
TEL 1-714-898-3830
info@toplinedummy.com

<u>BALLS</u>	<u>PITCH</u>	<u>SIZE</u>	<u>MATRIX</u>	<u>ROWS</u>	<u>CENTER</u>	<u>MAT'L</u>
119	1.27mm	14 x 22mm	17 x 7	full	full	BT

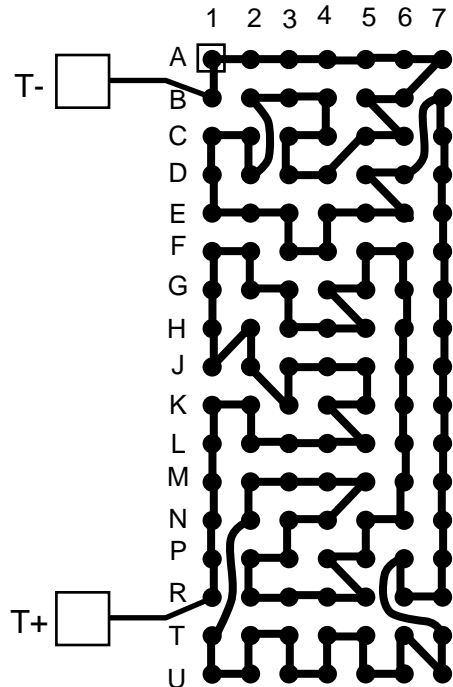
BALL VIEW



BOTTOM SIDE (TOP X-RAY VIEW)



TEST VEHICLE BOARD



AFTER MOUNTING TO TEST BOARD

BGA119T1.27-DC50

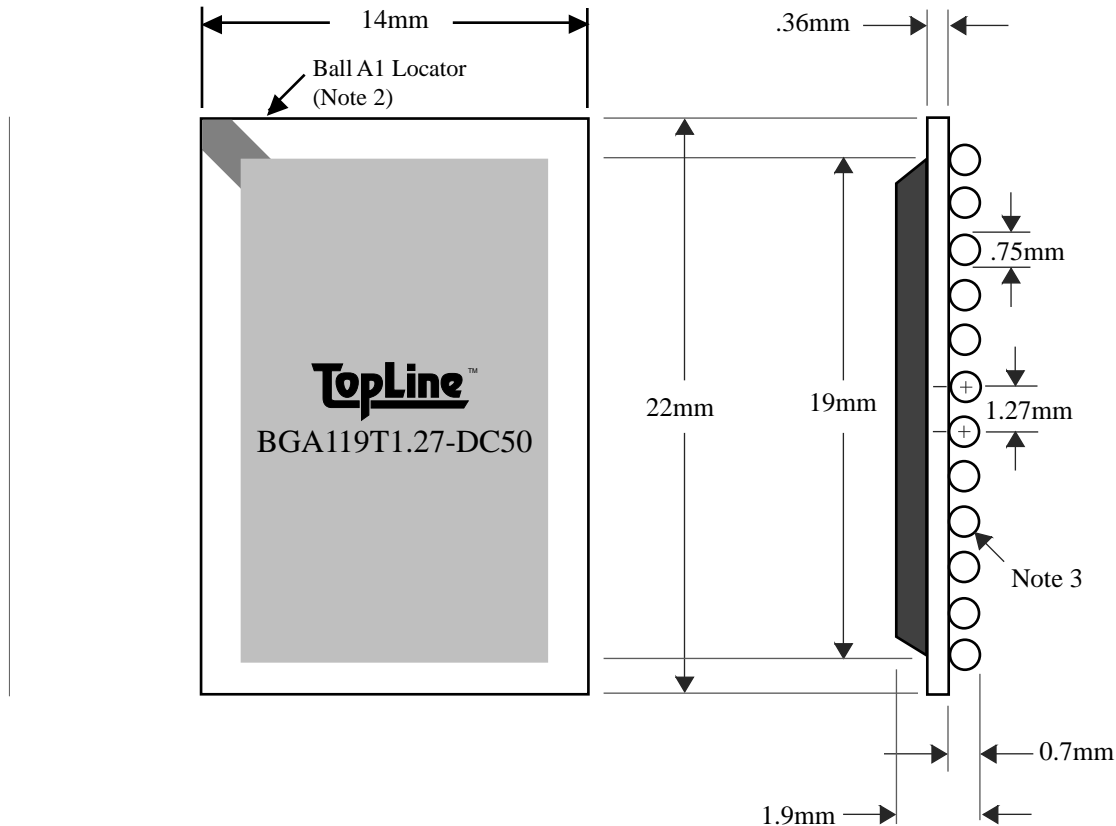


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<u>BALLS</u>	<u>PITCH</u>	<u>SIZE</u>	<u>MATRIX</u>	<u>ROWS</u>	<u>CENTER</u>	<u>MAT'L</u>
119	1.27mm	14 x 22mm	17 x 7	full	full	BT

TOP VIEW

SIDE VIEW



NOTES		REVISIONS	
Note 1	Logo and part number centered White ink or laser marked	Rev	Date Changes
Note 2	Ball A1 locator mark positioned in corner	Daisy Chain Pattern is obsolete	
Note 3	Ball Material: 63/37 SnPb	PACKAGING TRAYS	
Note 4	Substrate Material: BT laminate	Tray BGATRAY14x22-7x12 Tray Quantity 84	