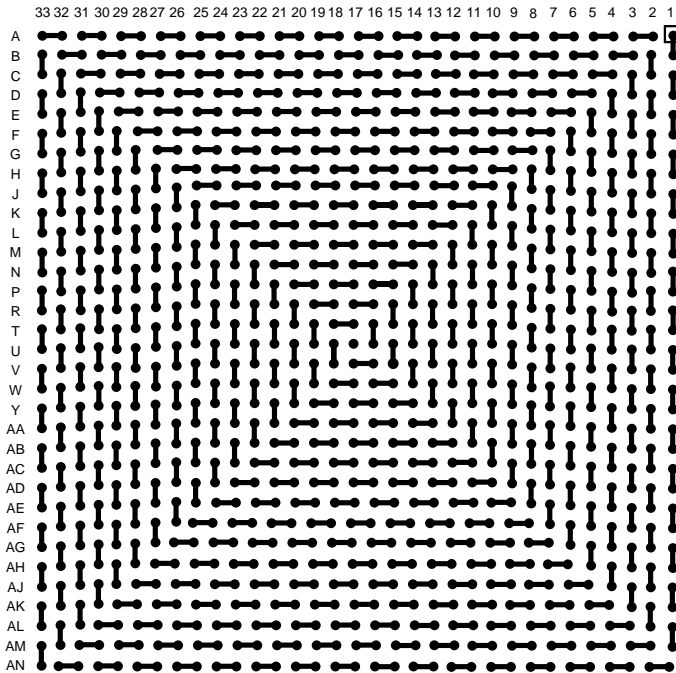


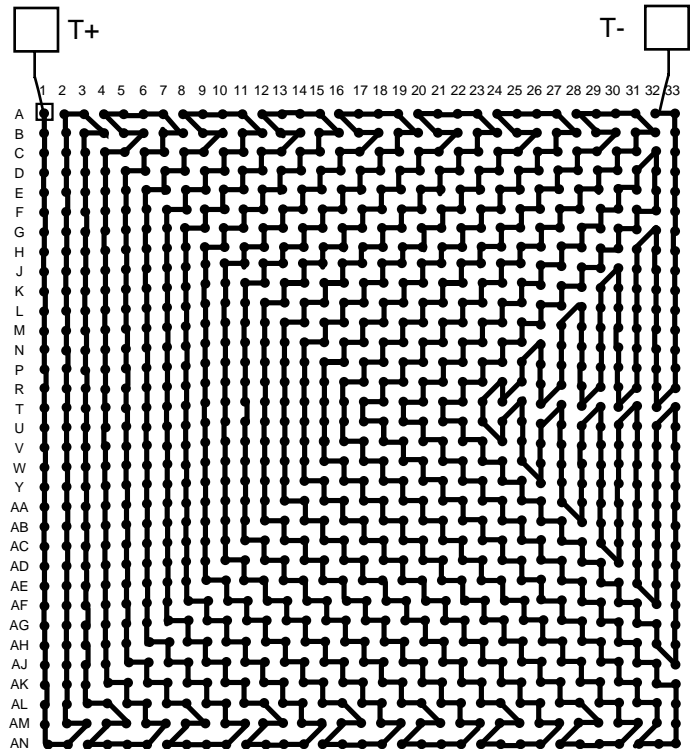
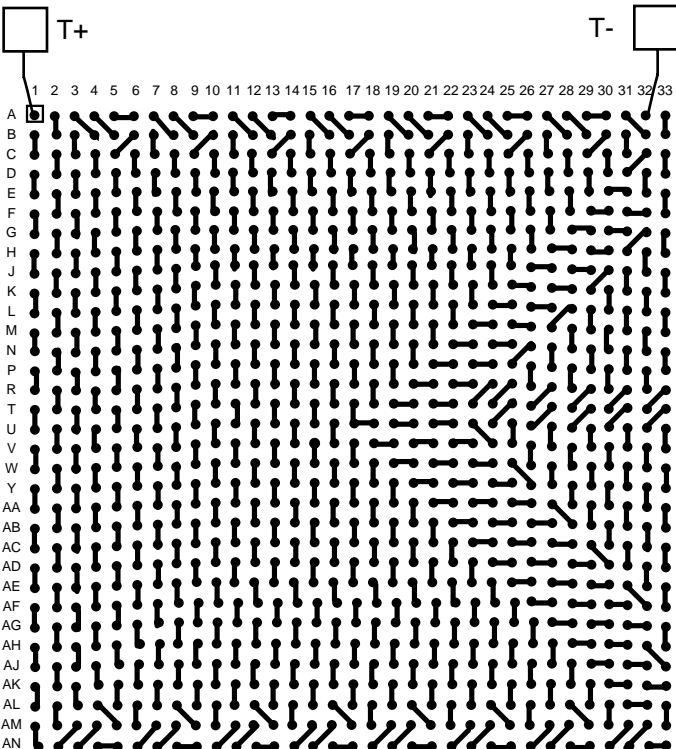
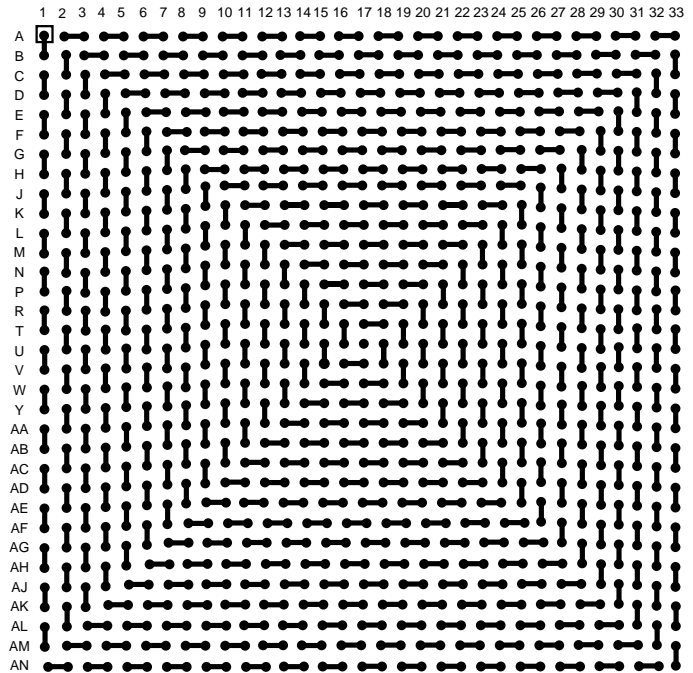
TEL 1-714-898-3830  
info@topline.tv

BALLS	PITCH	SIZE	MATRIX	ROWS	CENTER	MAT'L
1089	1.27mm	42.5mm	33 x 33	full	N/A	ceramic

**BALL VIEW**



**BOTTOM SIDE (TOP X-RAY VIEW)**



**TEST VEHICLE BOARD**

**AFTER MOUNTING TO TEST BOARD**

# CBGA1089T1.27C-DC339 Lead Free

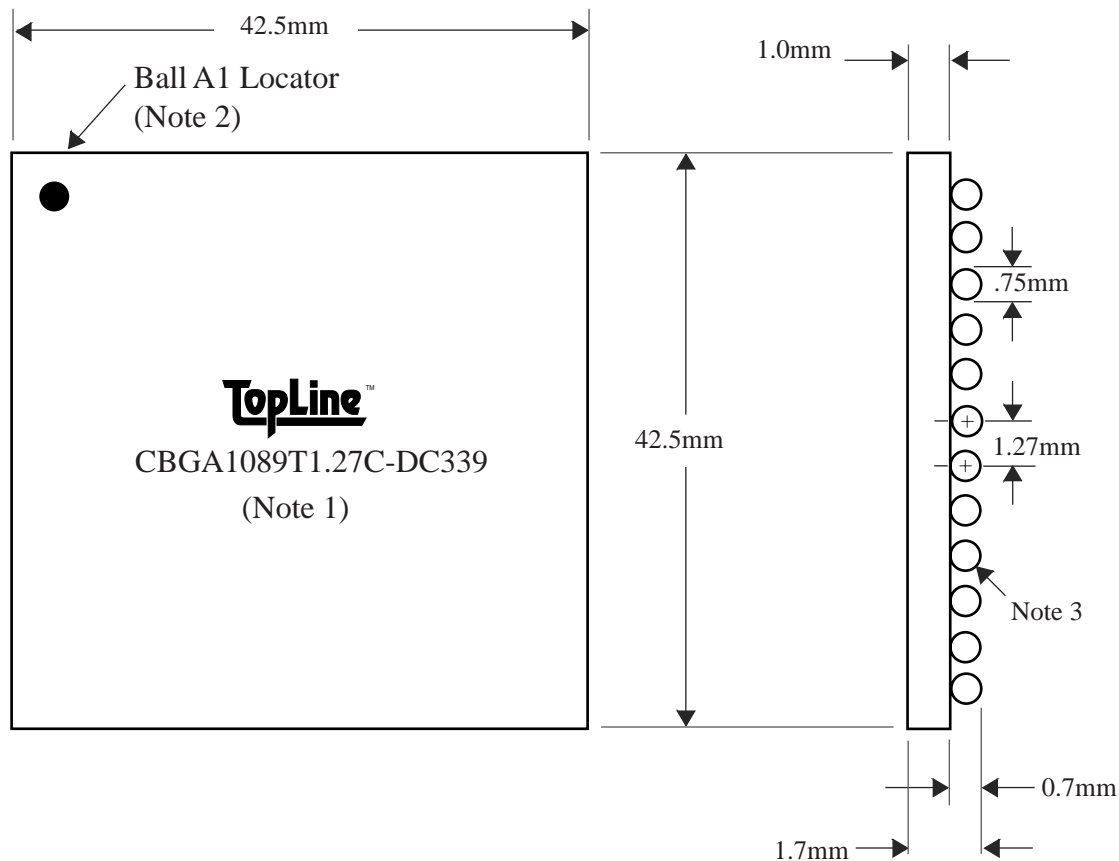


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<u>BALLS</u>	<u>PITCH</u>	<u>SIZE</u>	<u>MATRIX</u>	<u>ROWS</u>	<u>CENTER</u>	<u>MAT'L</u>
1089	1.27mm	42.5mm	33 x 33	full	N/A	ceramic

TOP VIEW

SIDE VIEW



NOTES		REVISIONS		
Note 1	TopLine logo and part number centered Black ink	Rev	Date	Changes
Note 2	Ball A1 locator mark positioned in corner			
<b>Note 3</b>	<b>Ball Material: Sn96.5/Ag3.0/Cu0.5</b>	<b>PACKAGING TRAYS</b>		
Note 4	Substrate Material: Ceramic	Tray CBGATRAY42.5-2x6 Tray Quantity 12		