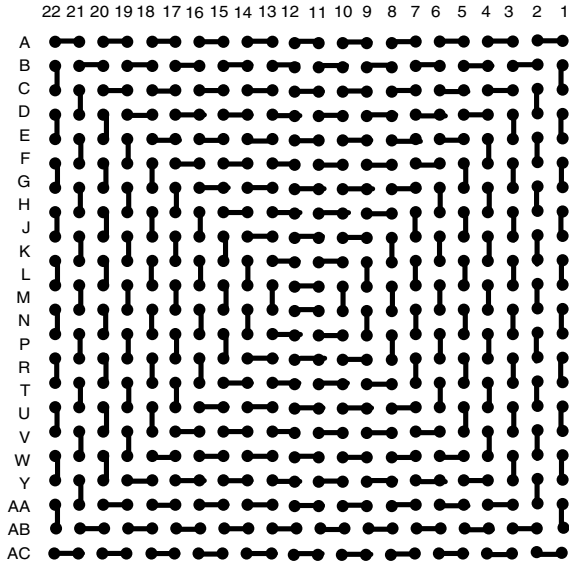
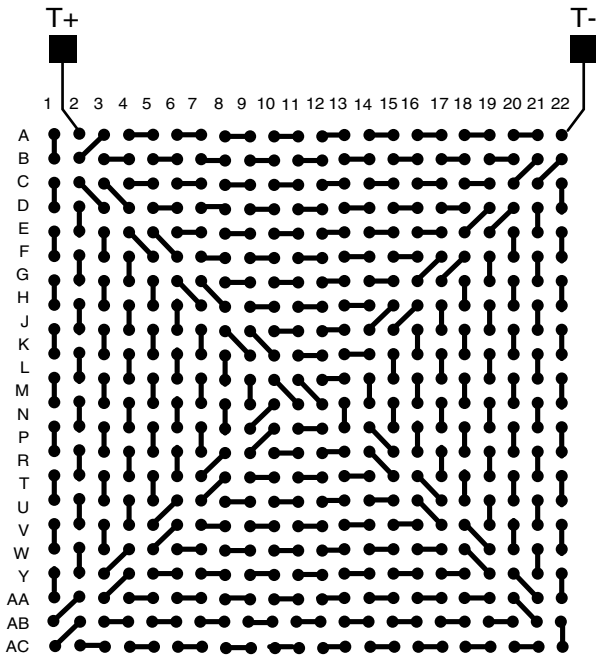
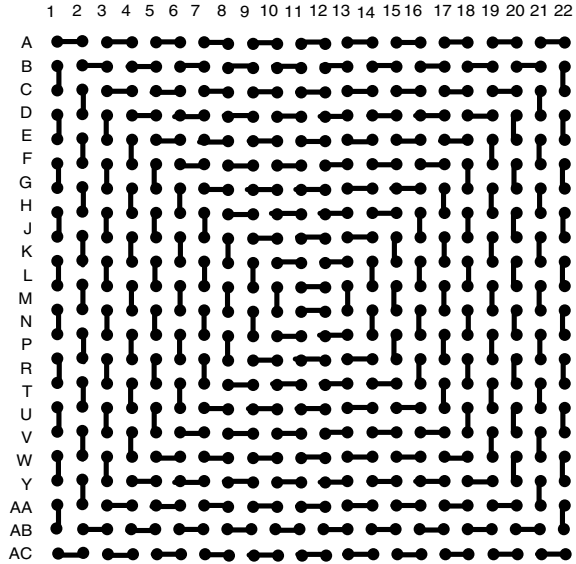


<u>BALLS</u>	<u>PITCH</u>	<u>SIZE</u>	<u>MATRIX</u>	<u>ROWS</u>	<u>CENTER</u>	<u>MAT'L</u>
484	0.5mm	12mm SQ	full	22 x 22	full	BT

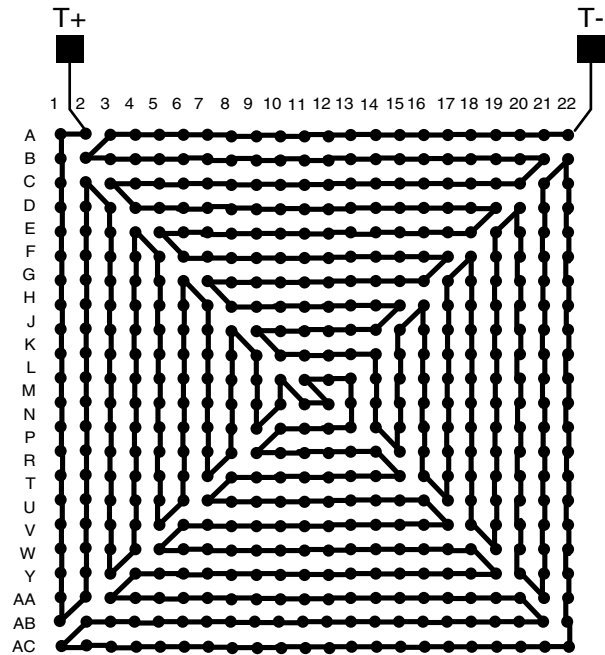
BALL VIEW



BOTTOM SIDE (TOP X-RAY VIEW)



TEST VEHICLE BOARD



AFTER MOUNTING TO TEST BOARD

LBGA484T.5C-DC229A Lead Free

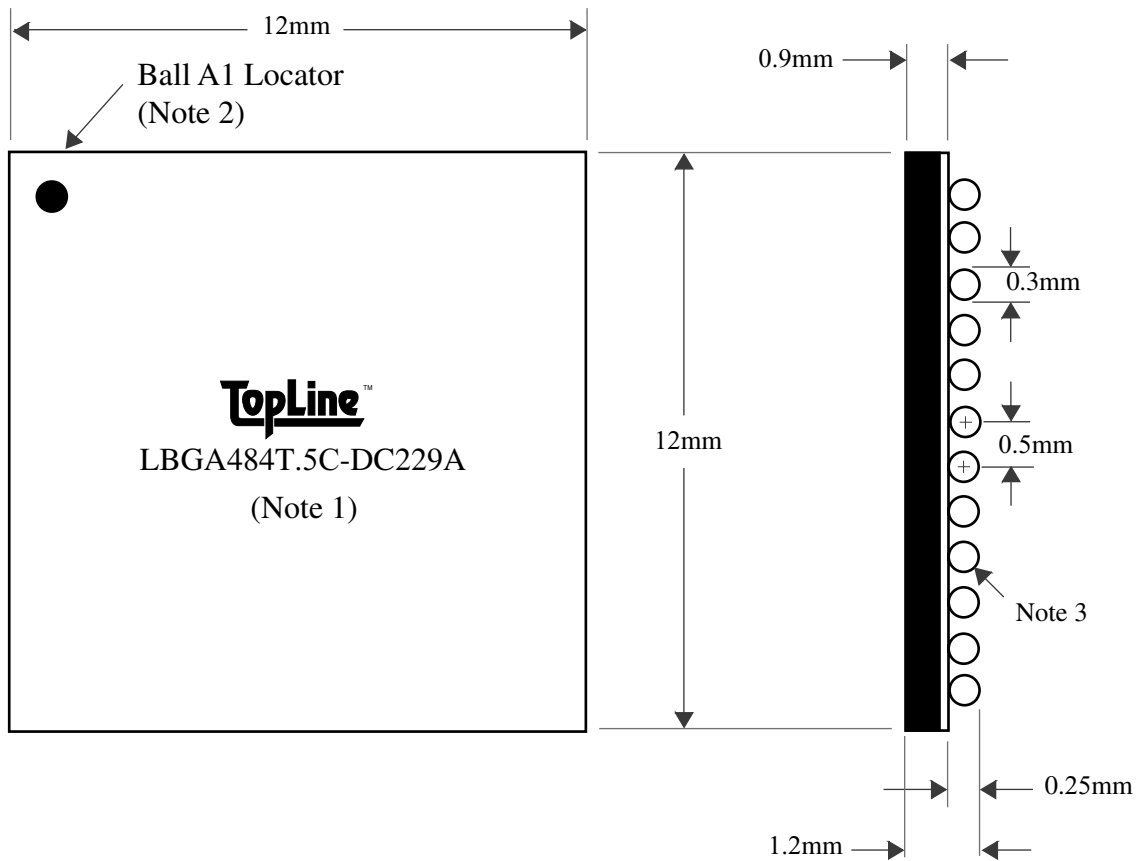


TEL 1-714-898-3830
info@topline.tv

<u>BALLS</u>	<u>PITCH</u>	<u>SIZE</u>	<u>MATRIX</u>	<u>ROWS</u>	<u>CENTER</u>	<u>MAT'L</u>
484	0.5mm	12mm SQ	full	22 x 22	full	BT

TOP VIEW

SIDE VIEW



NOTES		REVISIONS		
Note 1	Logo and part number centered	<u>Rev</u>	<u>Date</u>	<u>Changes</u>
Note 2	Ball A1 locator mark positioned in corner			
Note 3	Ball Material: Sn Ag Cu			
Note 4	Substrate Material: BT			
		PACKAGING TRAYS		
		Tray BGATRAY12mm-9x21 (Alternate 9x22)		
		Tray Quantity 189 (Alternate 198)		