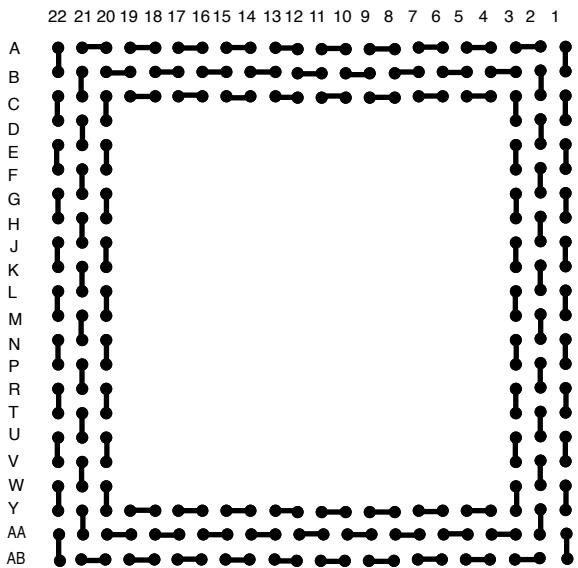
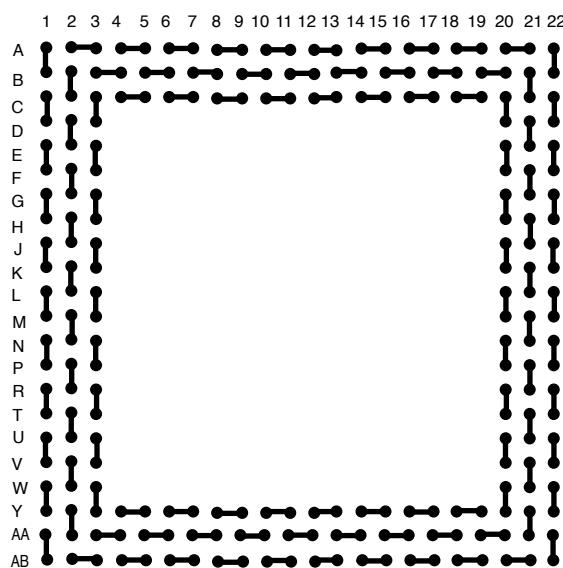


<u>BALLS</u>	<u>PITCH</u>	<u>SIZE</u>	<u>MATRIX</u>	<u>ROWS</u>	<u>CENTER</u>	<u>MAT'L</u>
228	0.5mm	12mm SQ	3-Row	22 x 22	None	BT

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

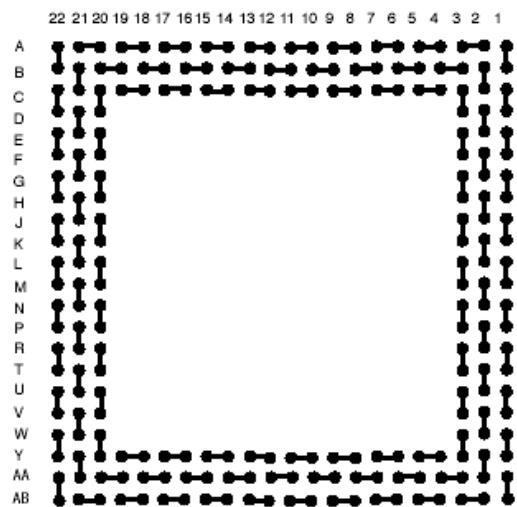


Lead Free LBGA228T.5C-DC222B

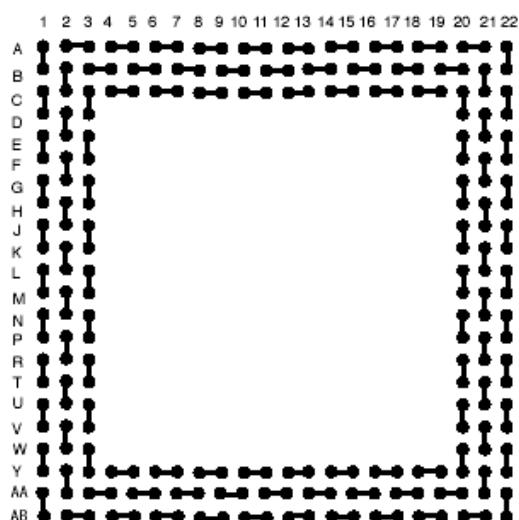
TEL 1-800-776-9888
info@topline.tv

BALLS PITCH SIZE MATRIX ROWS CENTER MAT'L

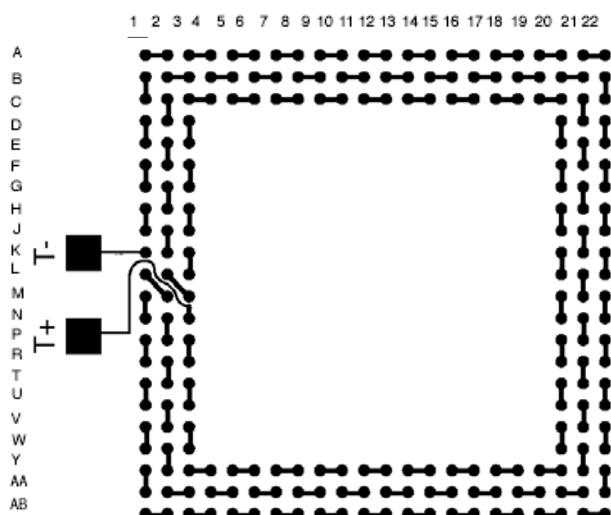
BALL VIEW



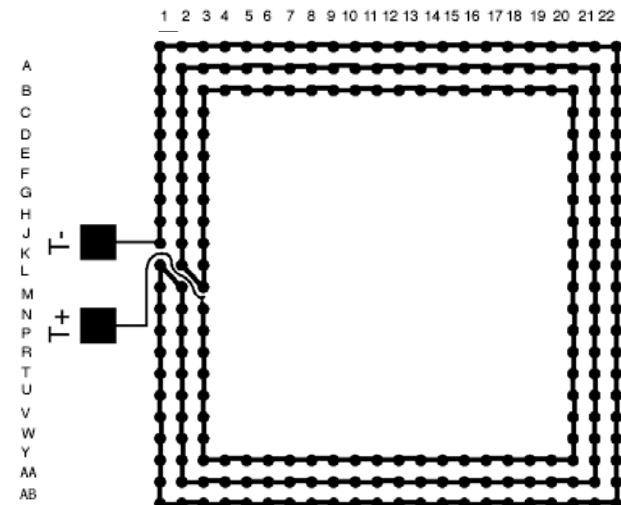
BOTTOM SIDE (TOP X-RAY VIEW)



Test Vehicle Board



After Mounting to Test Board

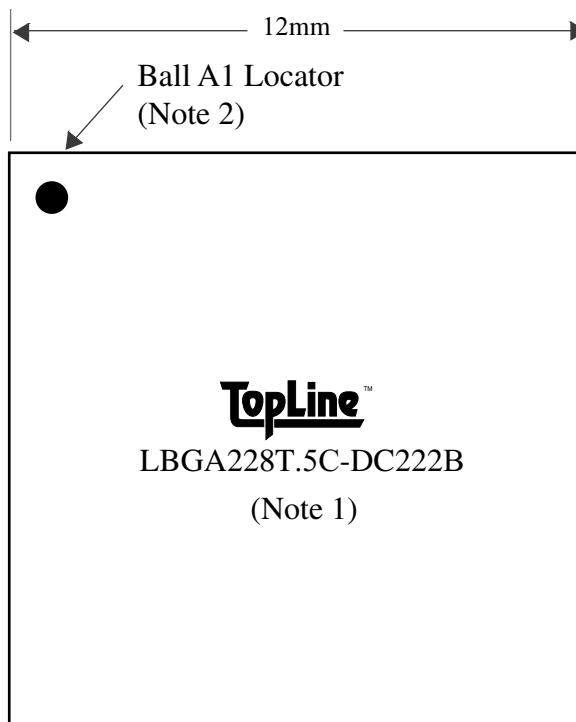


LBGA228T.5C-DC222B Lead Free

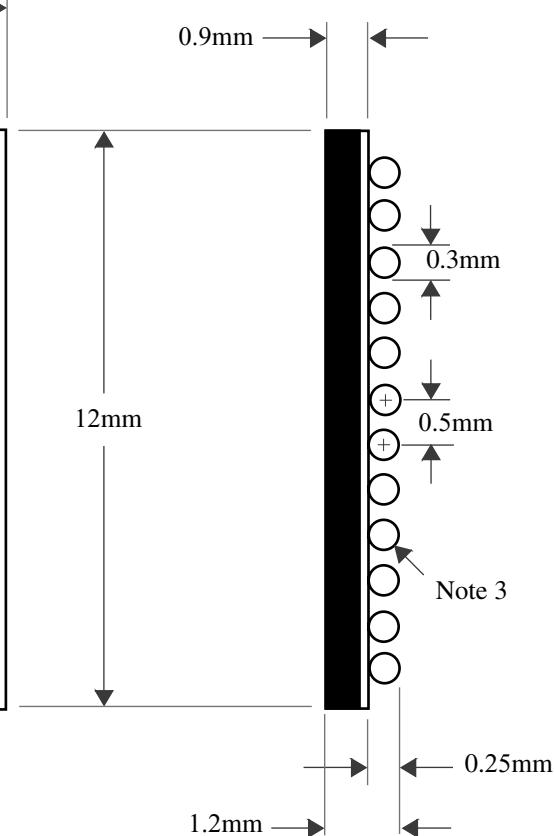
TopLine™

<u>BALLS</u>	<u>PITCH</u>	<u>SIZE</u>	<u>MATRIX</u>	<u>ROWS</u>	<u>CENTER</u>	<u>MAT'L</u>	TEL 1-714-898-3830
228	0.5mm	12mm SQ	3-Row	22 x 22	None	BT	info@topline.tv

TOP VIEW



SIDE VIEW



NOTES		REVISIONS		
		Rev	Date	Changes
Note 1	Logo and part number centered			
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)				