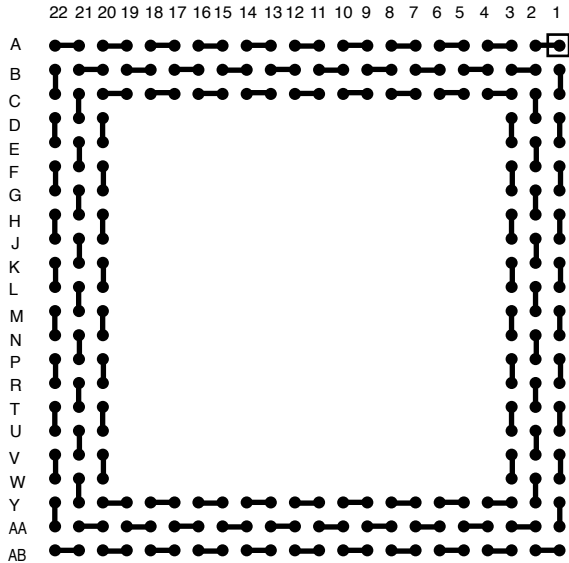
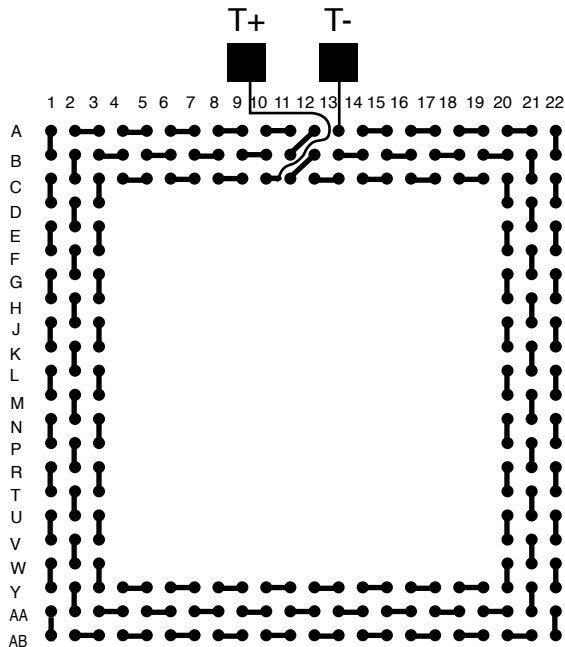
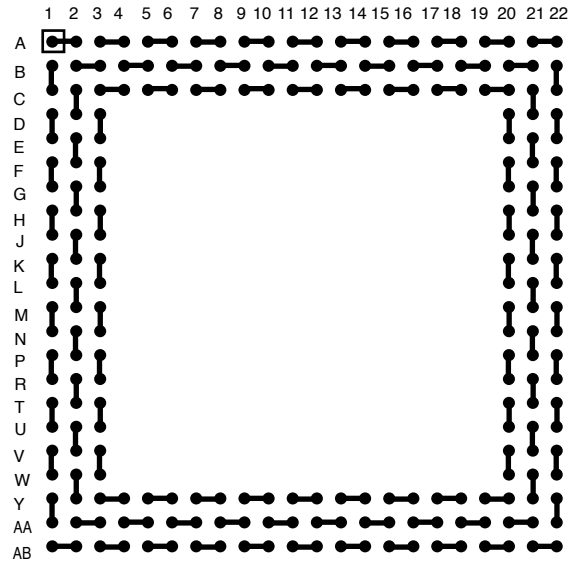


<u>balls</u>	<u>pitch</u>	<u>size</u>	<u>matrix</u>	<u>rows</u>	<u>center</u>	<u>mat'l</u>
228	0.5mm	12mm SQ	22 x 22	3	None	BT

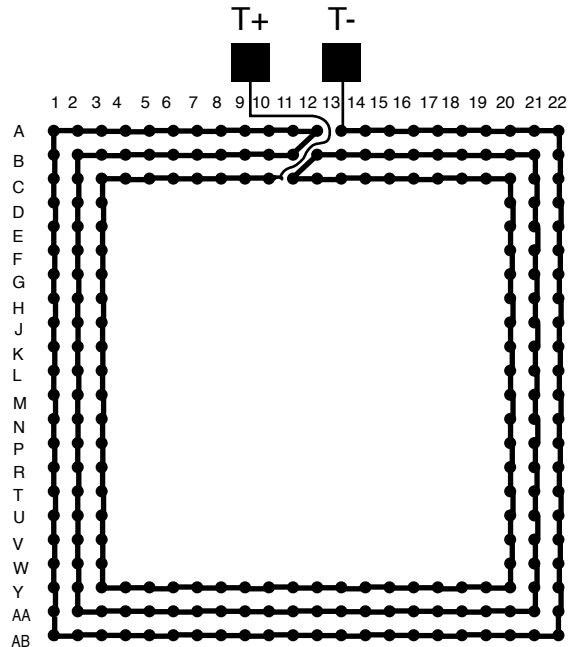
Ball View



Bottom Side (Top X-Ray View)



Test Vehicle Board



After Mounting to Test Board

LBGA228T.5-DC222

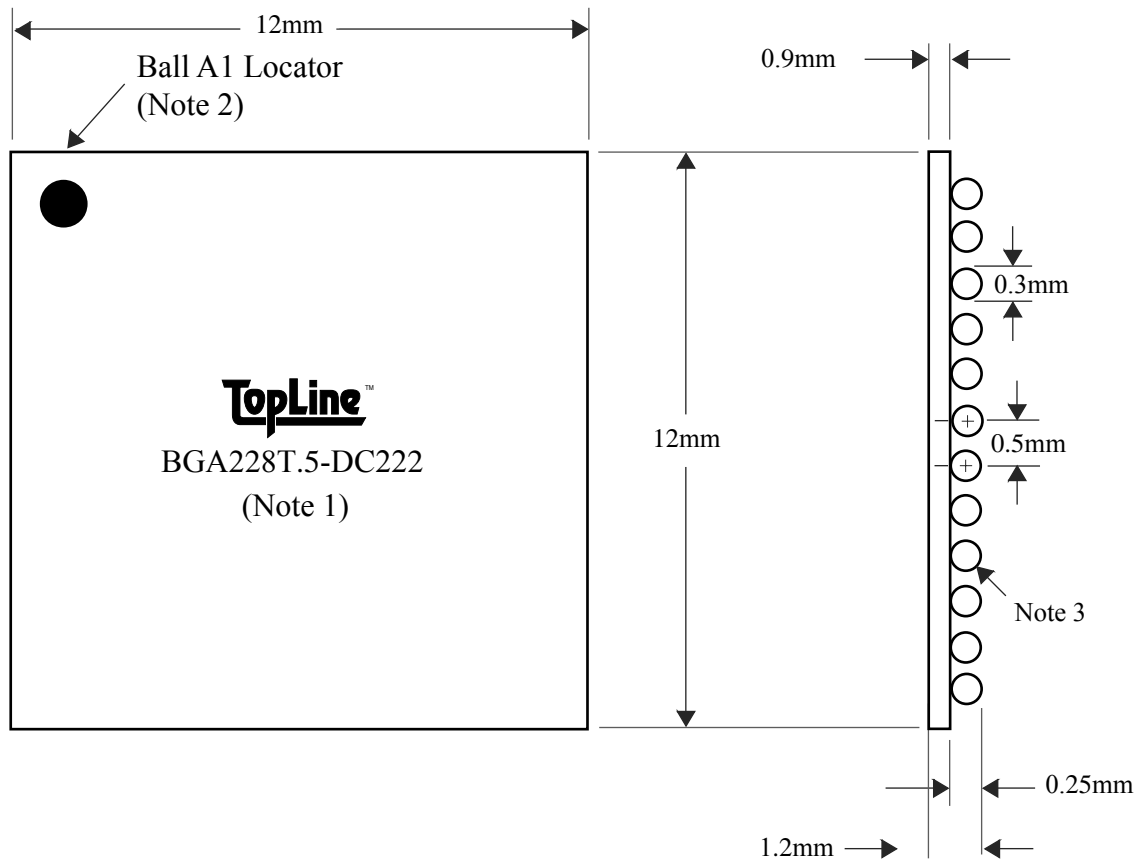


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<u>balls</u>	<u>pitch</u>	<u>size</u>	<u>matrix</u>	<u>rows</u>	<u>center</u>	<u>mat'l</u>
228	0.5mm	12mm SQ	22 x 22	3	None	BT

Top View

Side View



notes		revisions		
Note 1	Logo and part number centered White ink marked	<u>Rev</u>	<u>Date</u>	<u>Changes</u>
Note 2	Ball A1 locator mark positioned in corner			
Note 3	Ball Material: Sn 63 Pb37	packaging trays		
Note 4	Substrate Material: BT laminate	Tray BGATRAY12mm-9x21 (alternate 9x22) Tray Quantity 189 (alternate 198)		