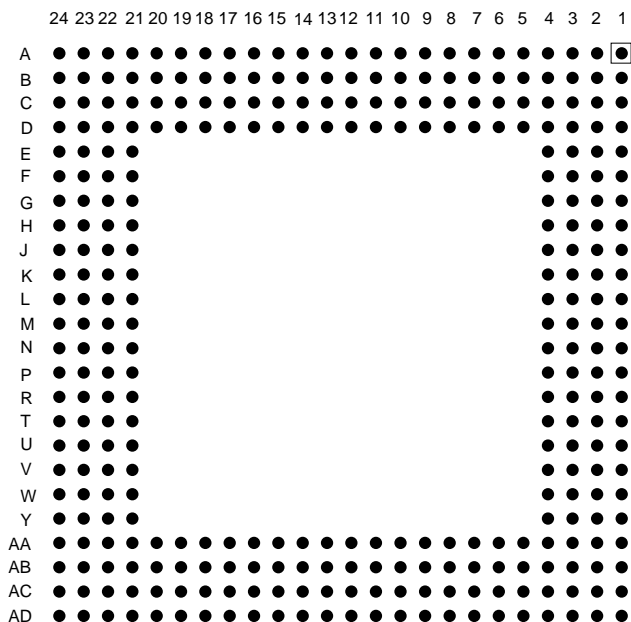


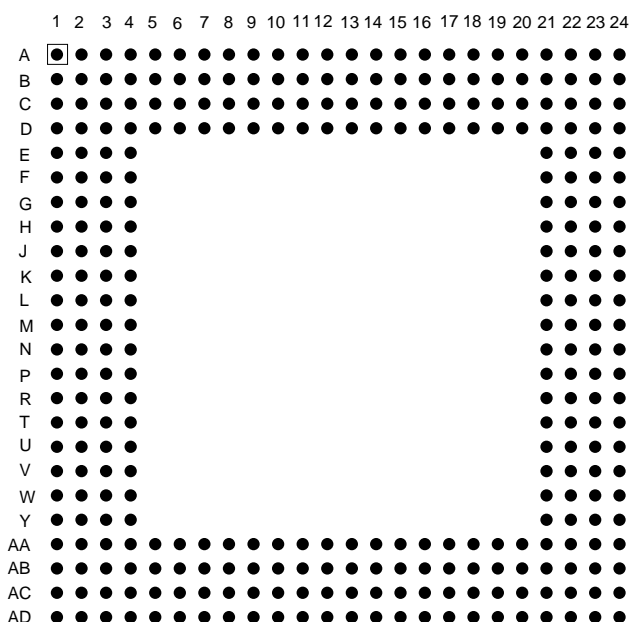
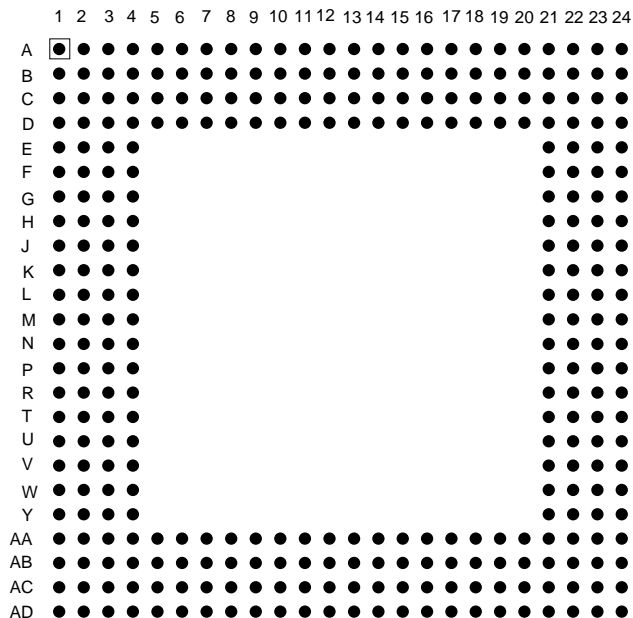
TEL 1-714-898-3830
 info@toplinedummy.com

BALLS	PITCH	SIZE	MATRIX	ROWS	CENTER	MAT'L
320	1.27mm	31mm SQ	24 x 24	4	none	flex

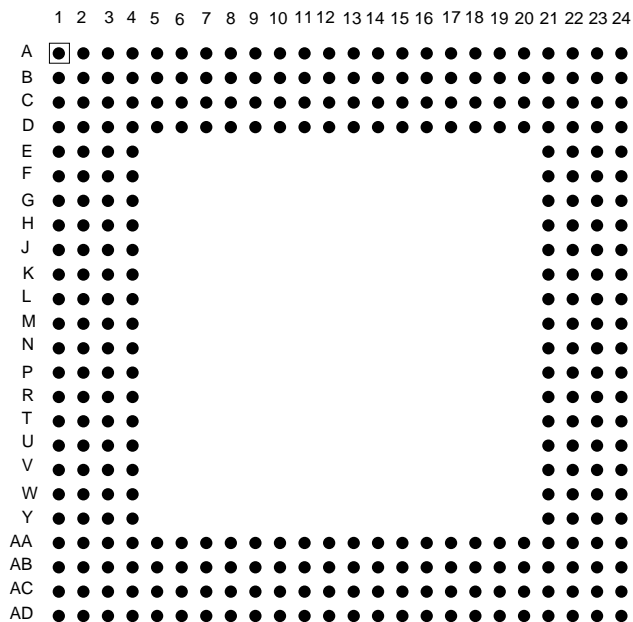
BALL VIEW



BOTTOM SIDE (TOP X-RAY VIEW)



TEST VEHICLE BOARD



AFTER MOUNTING TO TEST BOARD

TBGA320T1.27-ISO

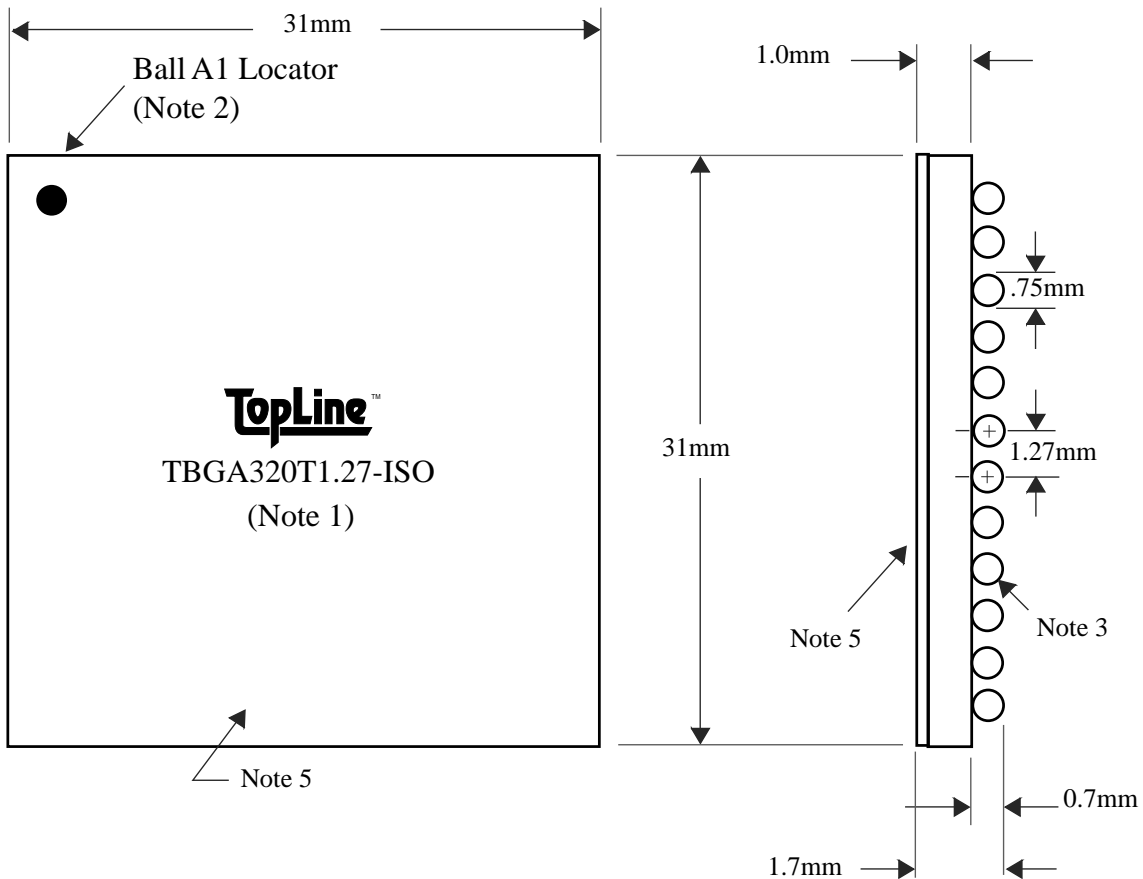


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BALLS	PITCH	SIZE	MATRIX	ROWS	CENTER	MAT'L
320	1.27mm	31mm SQ	24 x 24	4	none	flex

TOP VIEW

SIDE VIEW



NOTES		REVISIONS		
Note 1	Logo and part number centered on metal heat sink/stiffener	Rev	Date	Changes
Note 2	Ball A1 locator mark positioned in corner			
Note 3	Ball Material: Sn63/Pb37			
Note 4	Substrate Material: Polyimide tape			
Note 5	Metal stiffener/heat sink			
		PACKAGING TRAYS		
		Tray BGATRAY31mm-3x9 Tray Quantity 27		