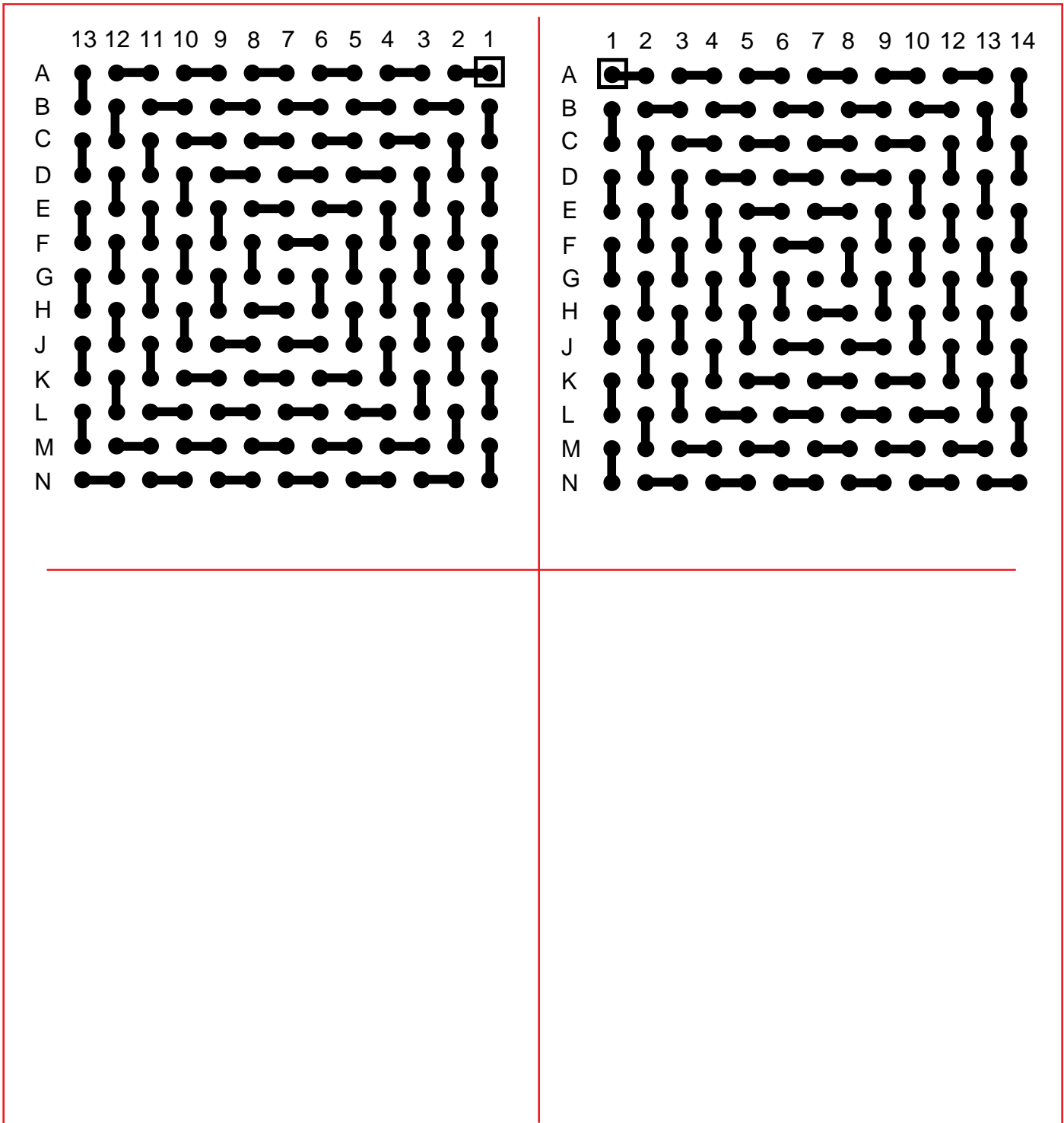


TEL 1-714-898-3830  
 info@toplinedummy.com

BALLS	PITCH	SIZE	MATRIX	ROWS	CENTER	MAT'L
169	1.5mm	23mm SQ	13 x 13	full	full	BT

**BALL VIEW**

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



**TEST VEHICLE BOARD**

**AFTER MOUNTING TO TEST BOARD**

# BGA169T1.5-DC138

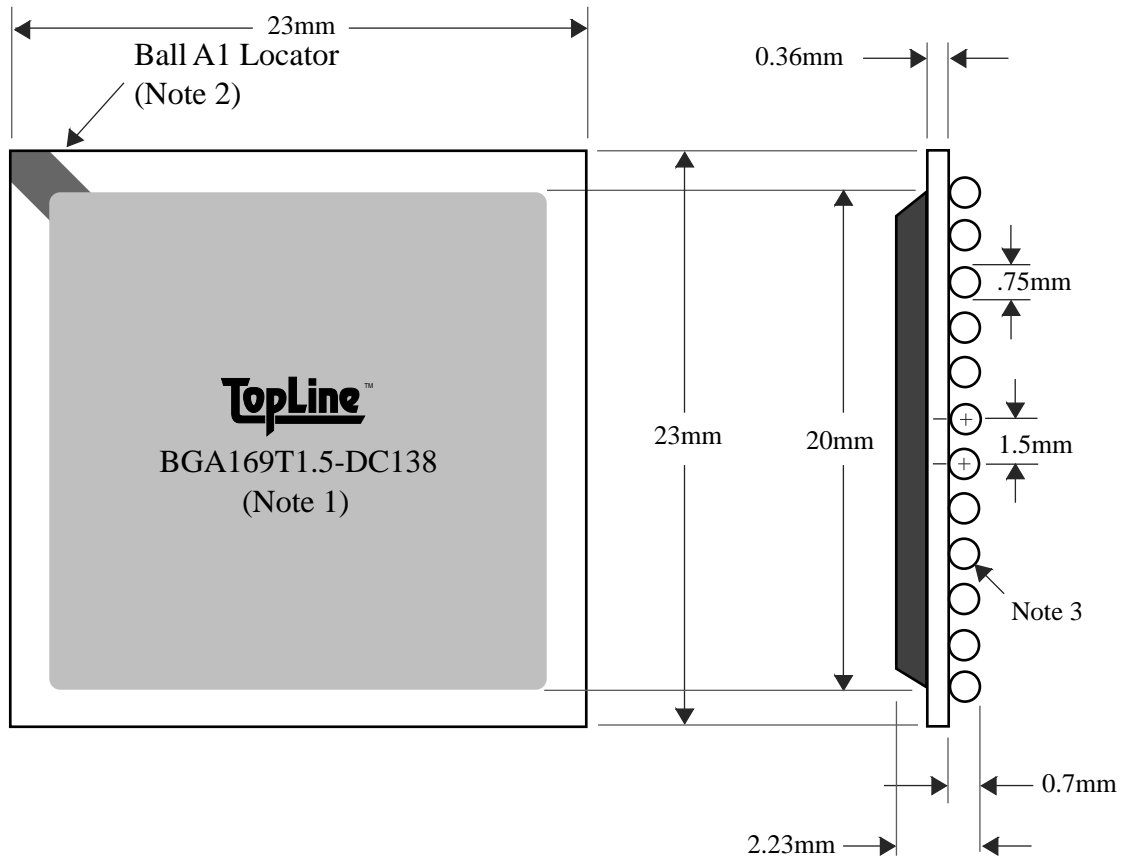


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BALLS	PITCH	SIZE	MATRIX	ROWS	CENTER	MAT'L
169	1.5mm	23mm SQ	13 x 13	full	full	BT

TOP VIEW

SIDE VIEW



NOTES		REVISIONS	
Note 1	Logo and part number centered White ink or laser marked	Rev	Date Changes
Note 2	Ball A1 locator mark positioned in corner		
Note 3	Ball Material: 63/37 SnPb		
Note 4	Substrate Material: BT laminate		
		<b>PACKAGING TRAYS</b>	
		Tray BGATRAY23mm-5x12 Tray Quantity 60	