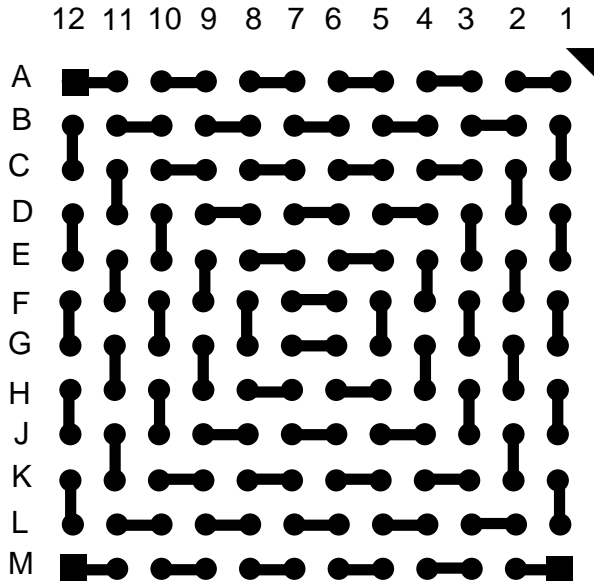


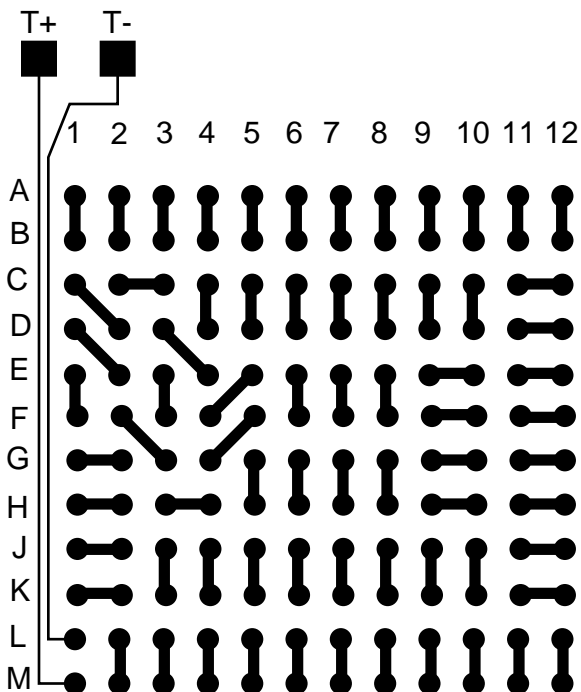
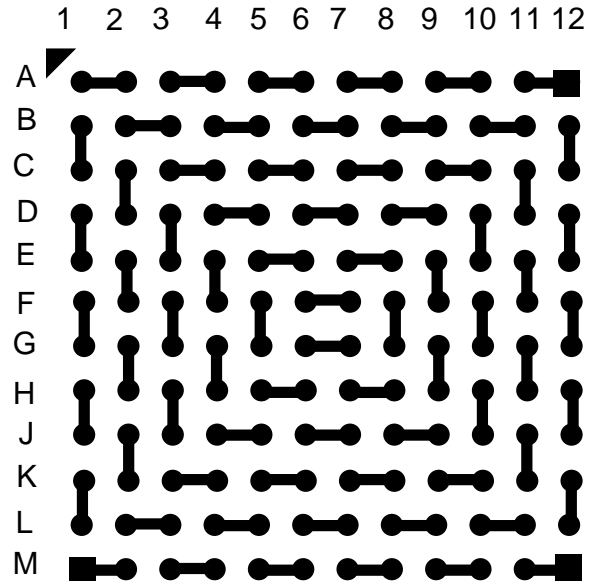
BALLS	PITCH	SIZE	MATRIX	ROWS	CENTER	MAT'L
144	1.0mm	13mm SQ	12 x 12	full	full	BT

BGA144T1.0-DC128

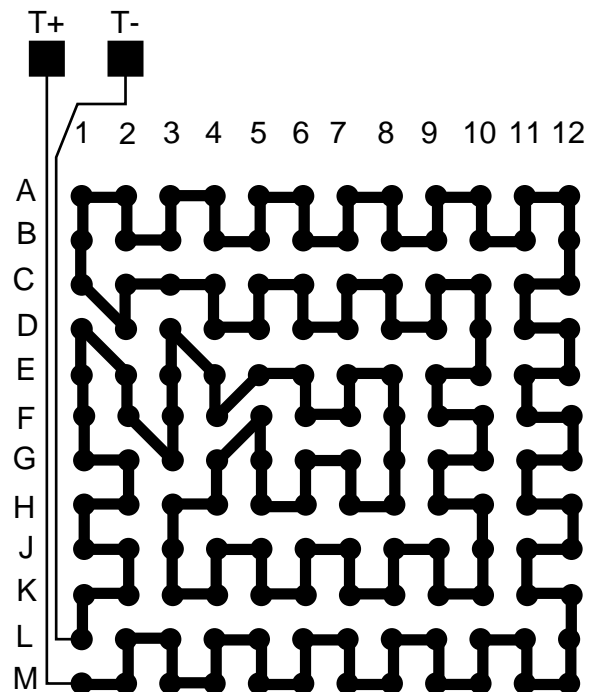
BALL VIEW



BOTTOM SIDE (TOP X-RAY VIEW)



TEST VEHICLE BOARD



AFTER MOUNTING TO TEST BOARD

BGA144T1.0-DC128

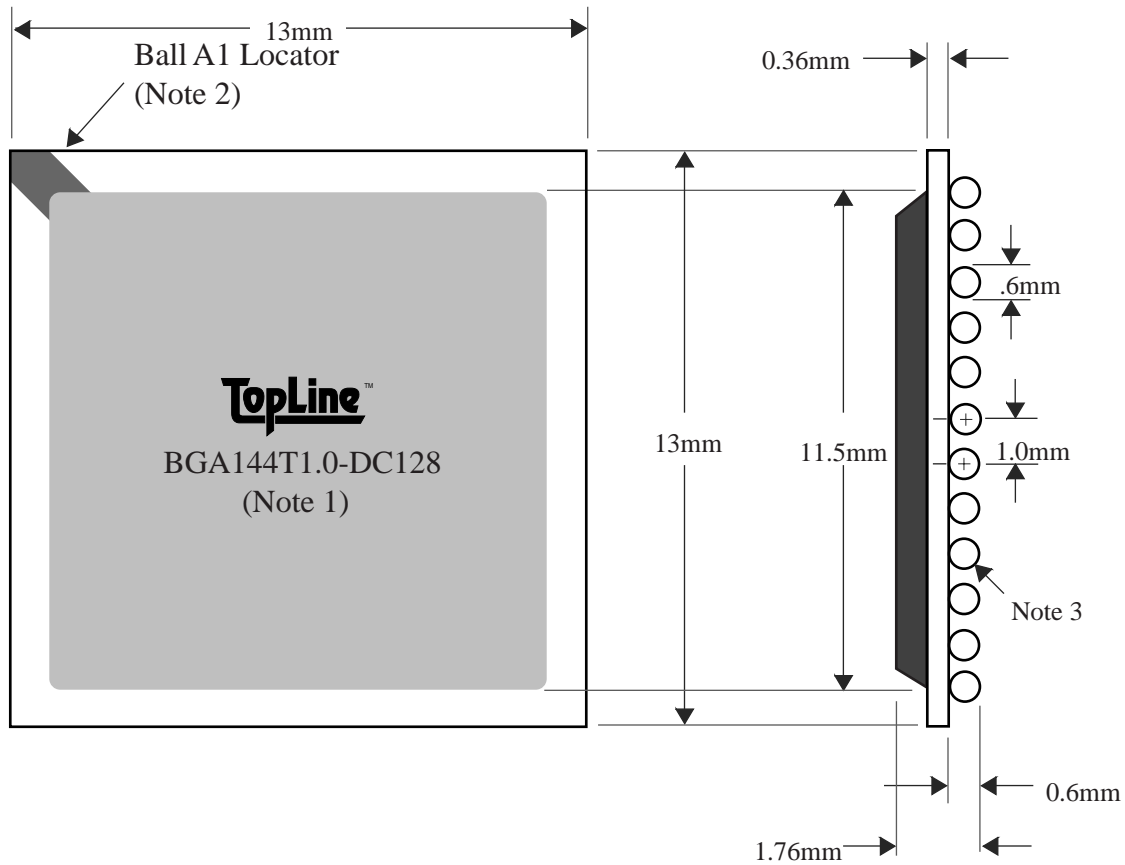


TEL 1-714-898-3830
info@toplinedummy.com

BALLS	PITCH	SIZE	MATRIX	ROWS	CENTER	MAT'L
144	1.0mm	13mm SQ	12 x 12	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	PACKAGING TRAYS		
Note 4	Substrate Material: BT laminate	Tray BGATRAY13mm-8x20 Tray Quantity 160		