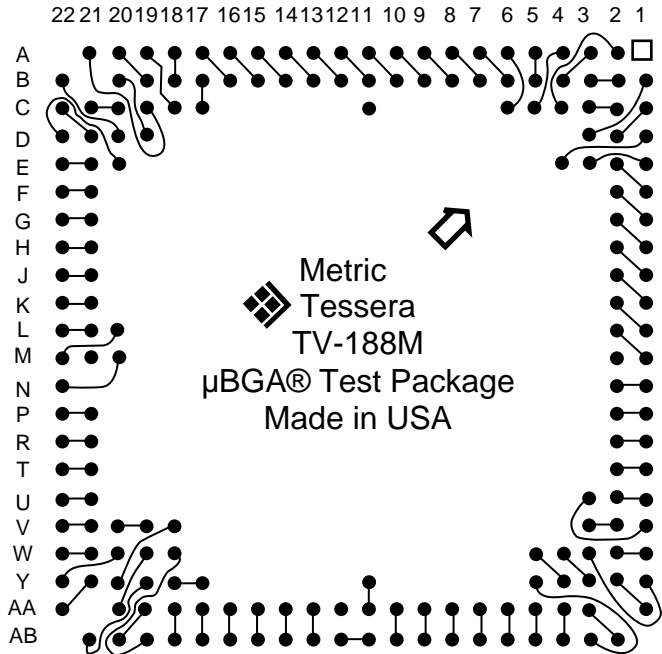


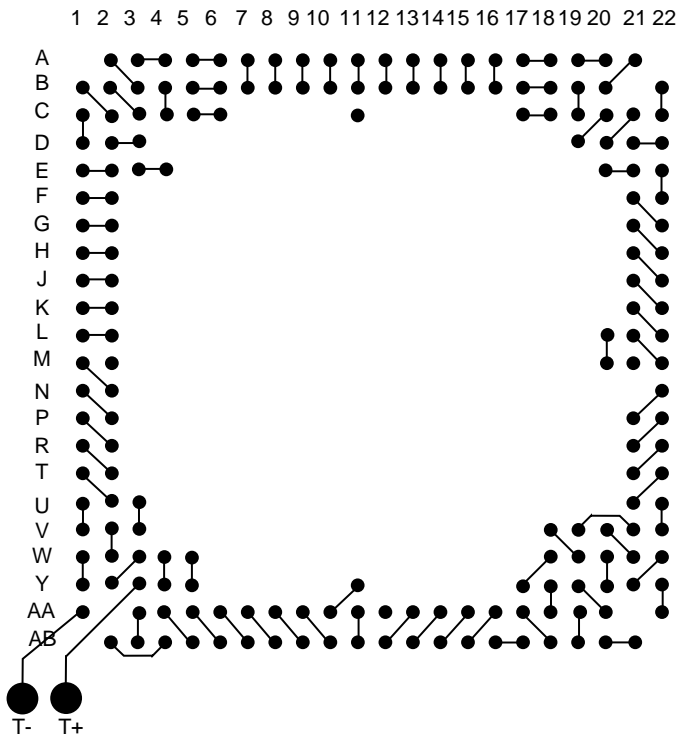
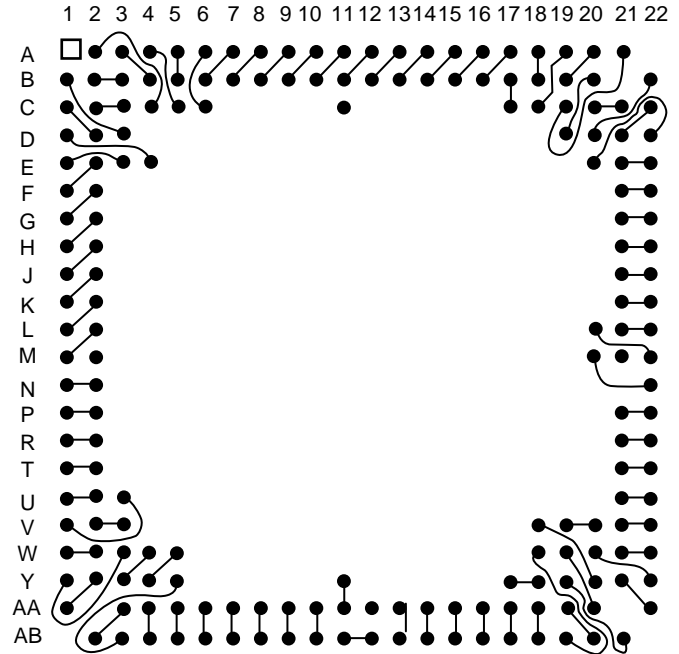
TEL 1-714-898-3830
 info@toplinedummy.com

BALLS	PITCH	SIZE	MATRIX	ROWS	CENTER	MAT'L
188	0.5mm	13.1mm SQ	22 x 22	2+	none	Flex Polyimide

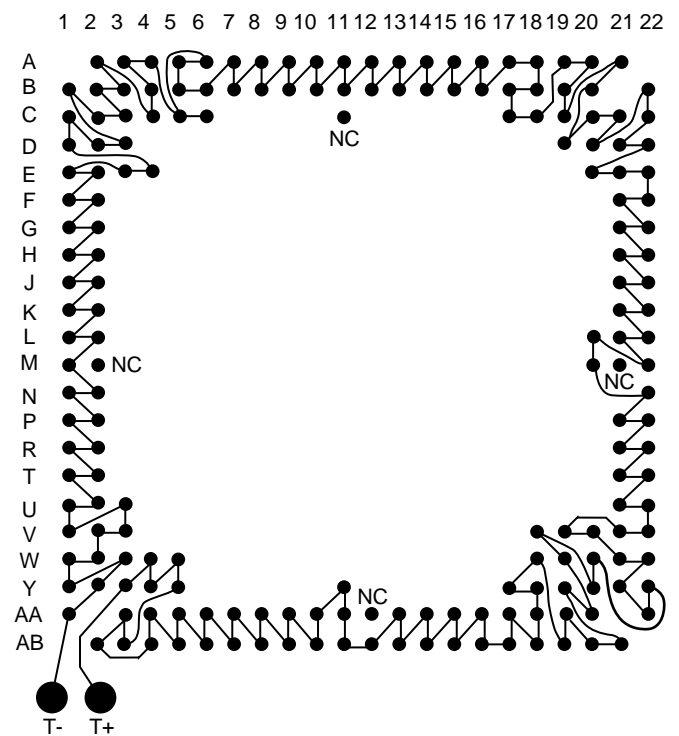
BALL VIEW



BOTTOM SIDE (TOP X-RAY VIEW)



TEST VEHICLE BOARD



AFTER MOUNTING TO TEST BOARD

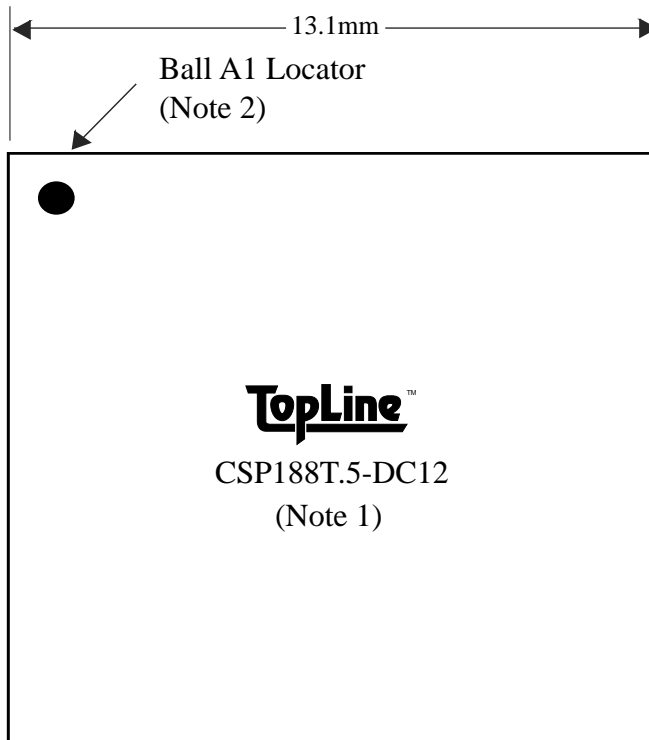
CSP188T.5-DC12



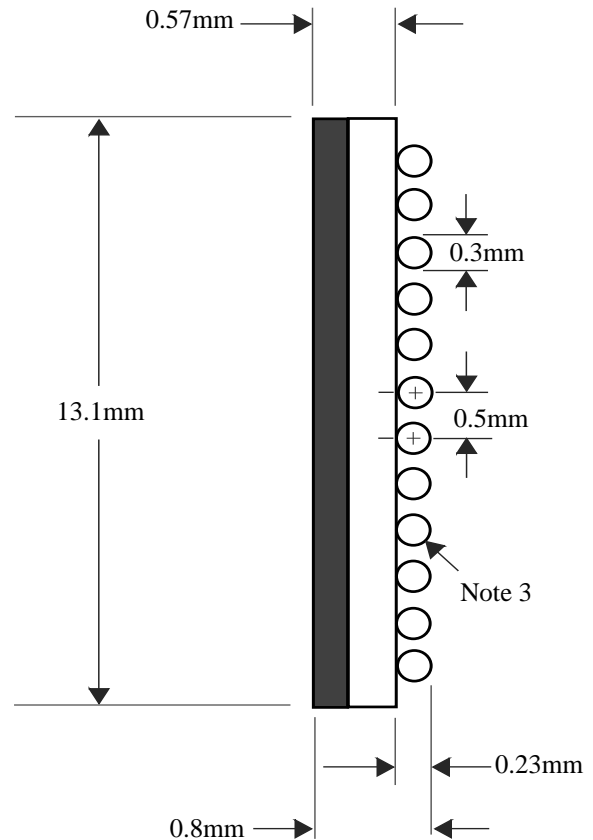
TEL 1-714-898-3830
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BALLS	PITCH	SIZE	MATRIX	ROWS	CENTER	MAT'L
188	0.5mm	13.1mm SQ	22 x 22	2+	none	Flex Polyimide

TOP VIEW



SIDE VIEW



NOTES		REVISIONS	
Note 1	Logo and part number centered	Rev	Date Changes
Note 2	Ball A1 locator mark positioned in corner		
Note 3	Ball Material: Polyimide Tape		
Note 4	Substrate Material: BT Laminate		
		PACKAGING TRAYS	
		Tray BGATRAY-TV188 Tray Quantity 25	