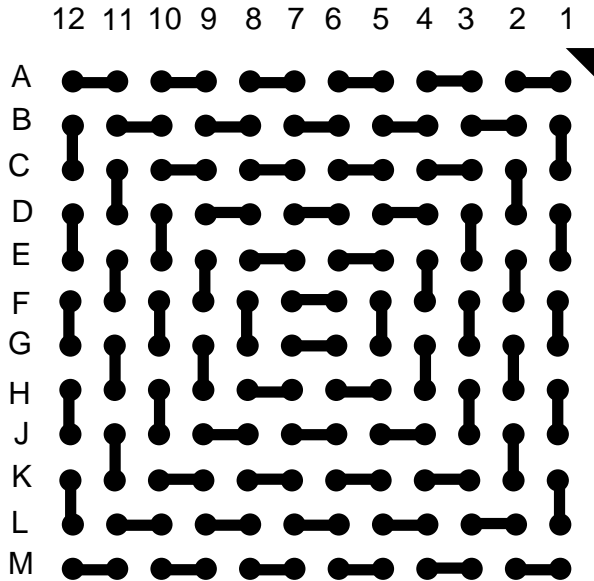


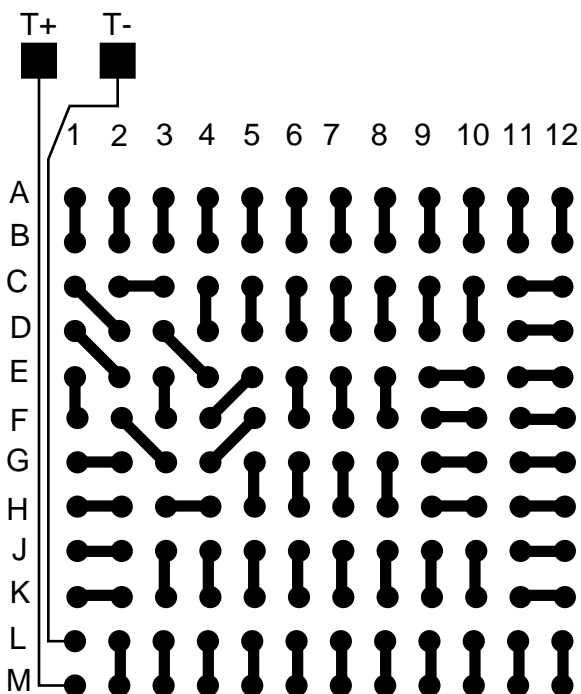
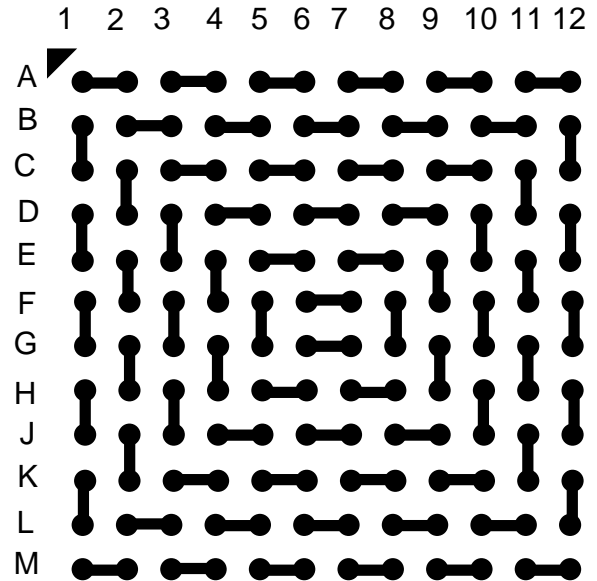
BALLS	PITCH	SIZE	MATRIX	ROWS	CENTER	MAT'L
144	0.8mm	12mm SQ	12 x 12	full	full	BT

BGA144T.8-DC128

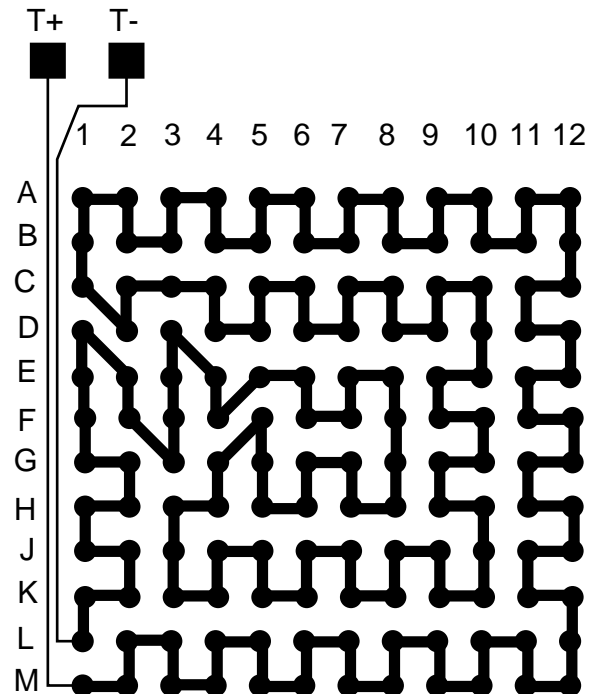
BALL VIEW



BOTTOM SIDE (TOP X-RAY VIEW)



TEST VEHICLE BOARD



AFTER MOUNTING TO TEST BOARD

BGA144T.8-DC128

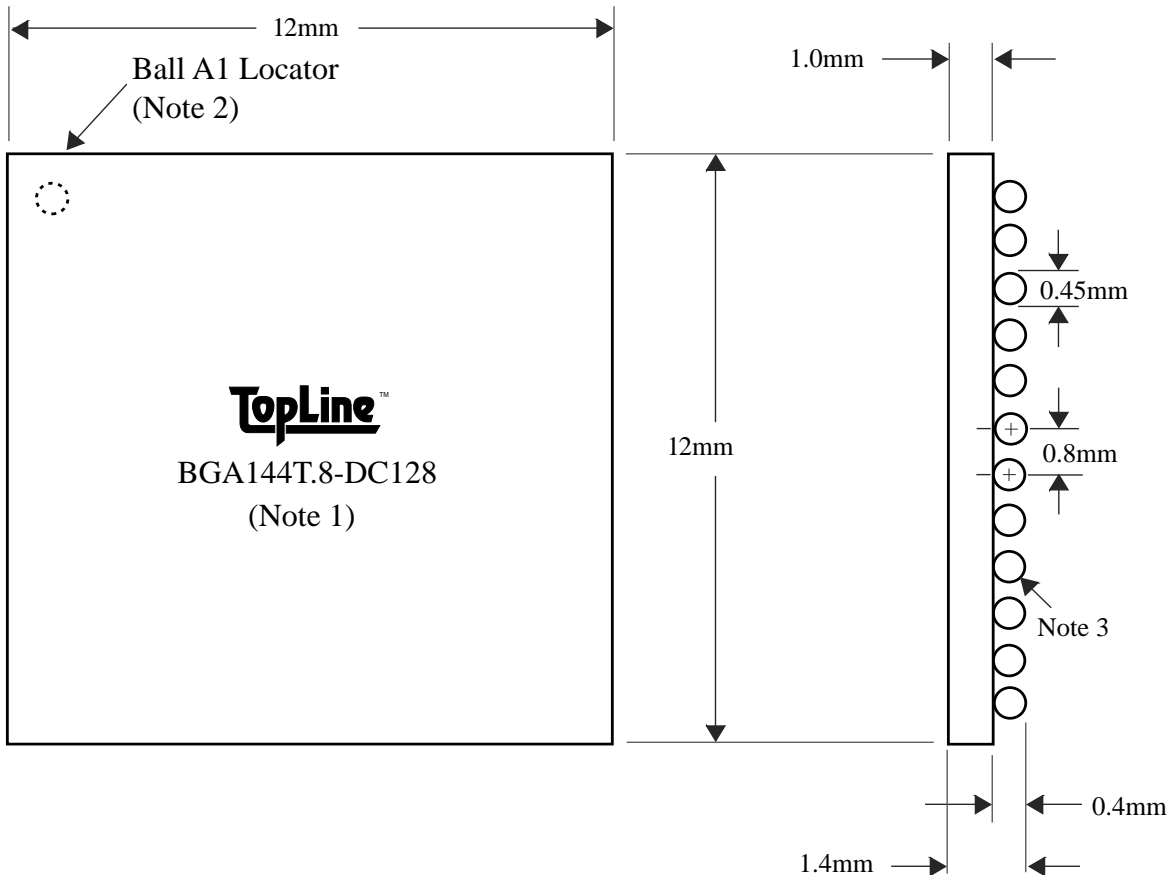


TEL 1-714-898-3830
info@topline.tv

<u>BALLS</u>	<u>PITCH</u>	<u>SIZE</u>	<u>MATRIX</u>	<u>ROWS</u>	<u>CENTER</u>	<u>MAT'L</u>
144	0.8mm	12mm SQ	12 x 12	full	full	BT

TOP VIEW

SIDE VIEW



NOTES		NOTES	
Note 1	Logo and part number centered White ink or laser on black Encapsulation	Note 7	Cu Pad 0.53mmDia
Note 2	Ball A1 locator mark positioned in corner	Note 8	Cu Laminate thickness before plating: 12um
Note 3	Ball Material: Sn63/Pb37	PACKAGING TRAYS	
Note 4	Substrate Material: BT 0.34mm thick	Tray BGATRAY12mm-9x22 Subject to Change	
Note 5	Plating: Copper 15um Tol +15um/-0um Nickel: 5.0um Tol +10um/-0um Gold: 0.5um min	Tray Quantity 198 Subject to Change	
Note 6	Soldermask Taiyo PSR 4000 AUS-5 19~38um Thickness 19~38um Opeining 0.4mm		