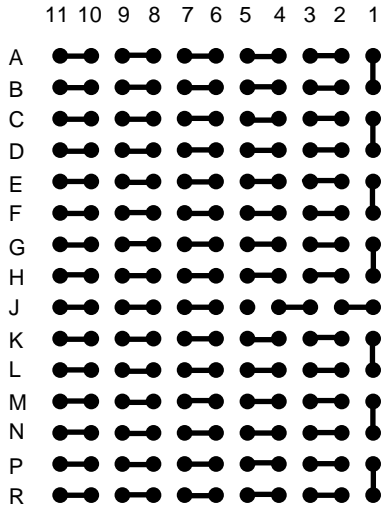


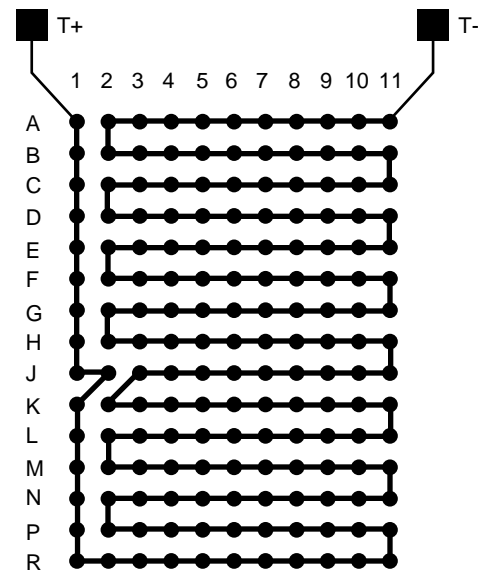
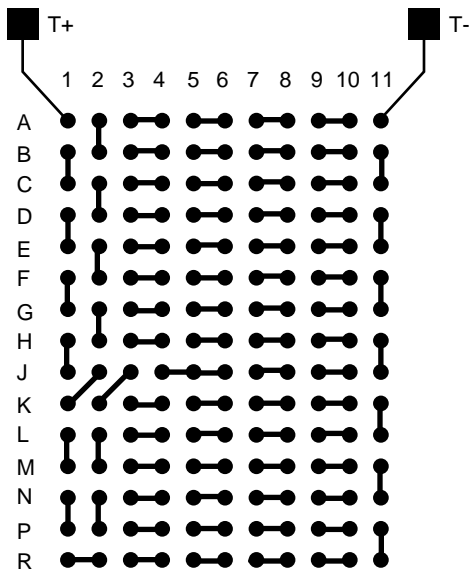
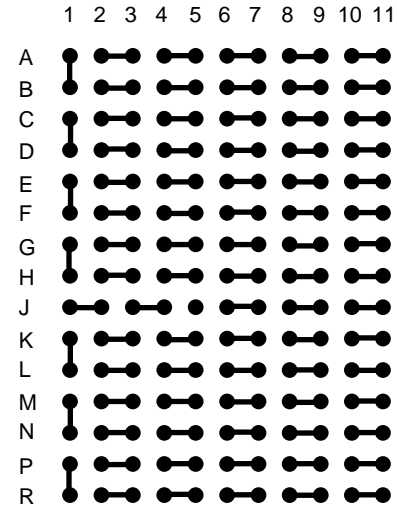
TEL 1-714-898-3830
info@topline.tv

<u>BALLS</u>	<u>PITCH</u>	<u>SIZE</u>	<u>MATRIX</u>	<u>ROWS</u>	<u>CENTER</u>	<u>MAT'L</u>
165	1.0mm	13 x 15mm	11 x 15	full	full	FR4

BALL VIEW



BOTTOM SIDE (TOP X-RAY VIEW)



TEST VEHICLE BOARD

AFTER MOUNTING TO TEST BOARD

LBGA165T1.0-DC1115

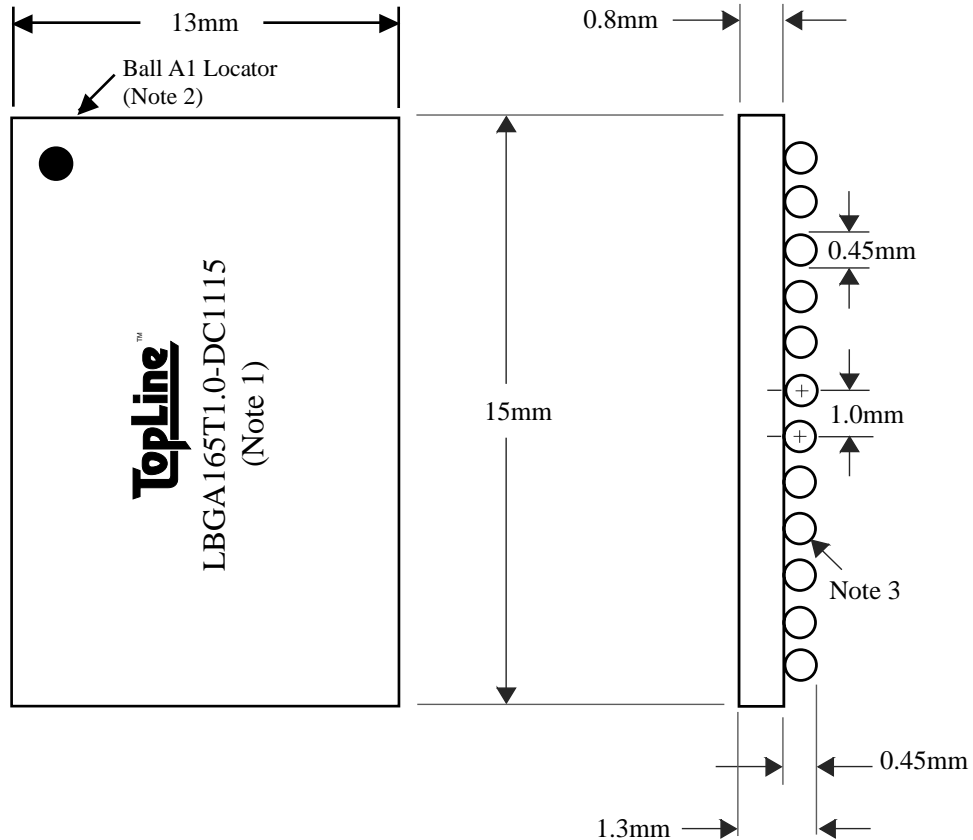


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<u>BALLS</u>	<u>PITCH</u>	<u>SIZE</u>	<u>MATRIX</u>	<u>ROWS</u>	<u>CENTER</u>	<u>MAT'L</u>
165	1.0mm	13 x 15mm	11 x 15	full	full	FR4

TOP VIEW

SIDE VIEW



notes		revisions		
Note 1	Logo and part number centered White ink on black solder mask	<u>Rev</u>	<u>Date</u>	<u>Changes</u>
Note 2	Ball A1 locator mark positioned in corner	packaging trays		
Note 3	Ball Material: Sn63/Pb37			
Note 4	Substrate Material: FR4	Tray BGATRAY13x15-8x17 Tray Quantity 136		