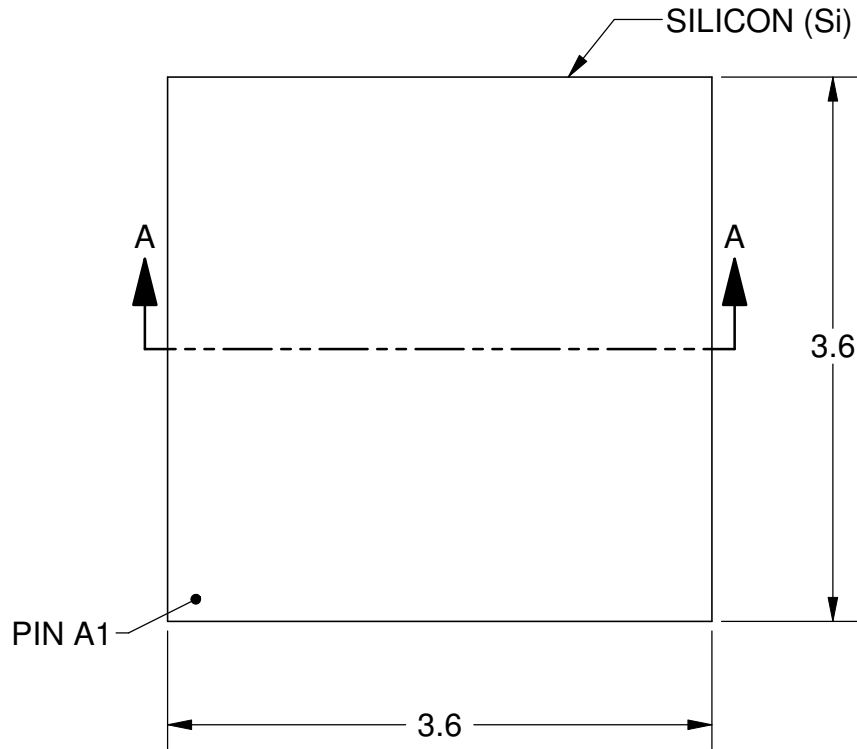
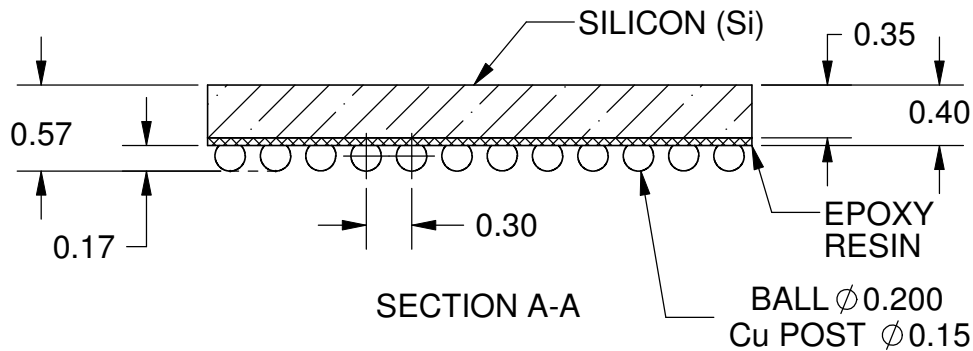
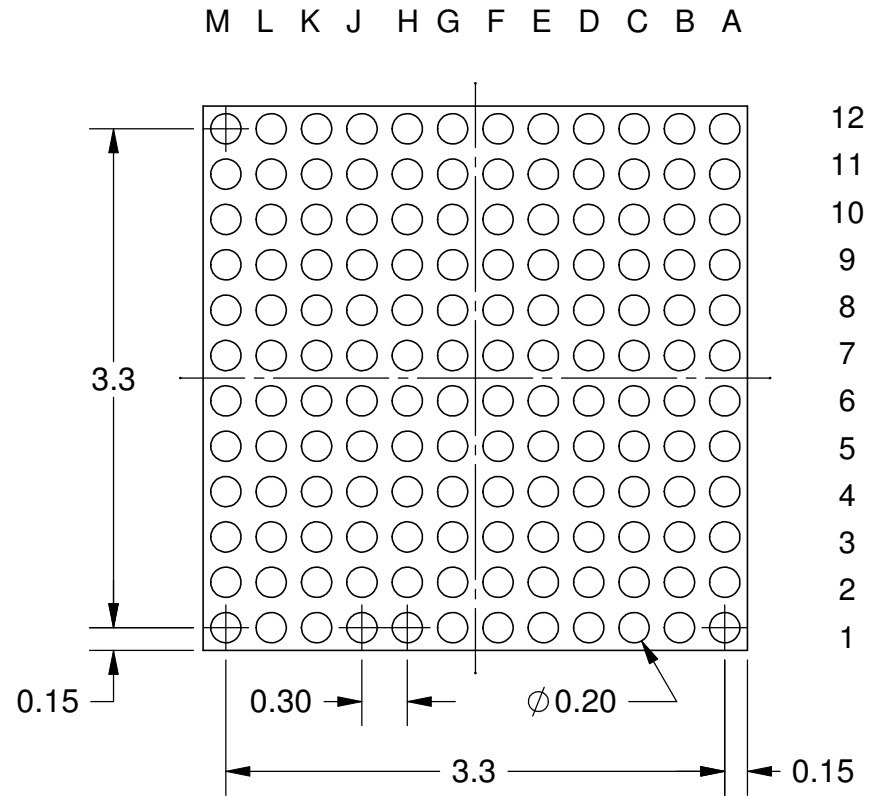


TOP VIEW



BALL VIEW



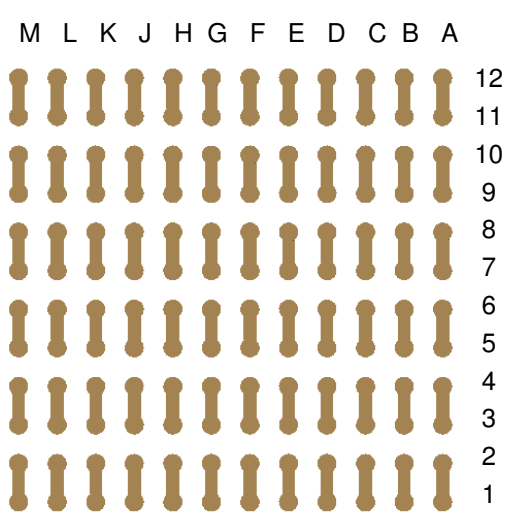
Notes: (Unless Otherwise Specified).

- 1) ALL DIMENSIONS ARE IN MM.
- 2) SOLDER BALL ALLOY:  
STANDARD: SAC305 (Sn96.5/Ag3.0/Cu0.5).  
SPECIAL: LF35 (Sn98.3/Ag1.2/Cu0.5).
- 3) BALL DIAMETER (BEFORE REFLOW): 0.20mm.
- 4) NON-SOLDER MASK DEFINED PAD.
- 5) PAD Cu DIAMETER: 0.15mm.
- 6) SUBSTRATE MATERIAL: Si (SILICON).
- 7) DAISY CHAIN PATTERN (SEE PAGE 2).

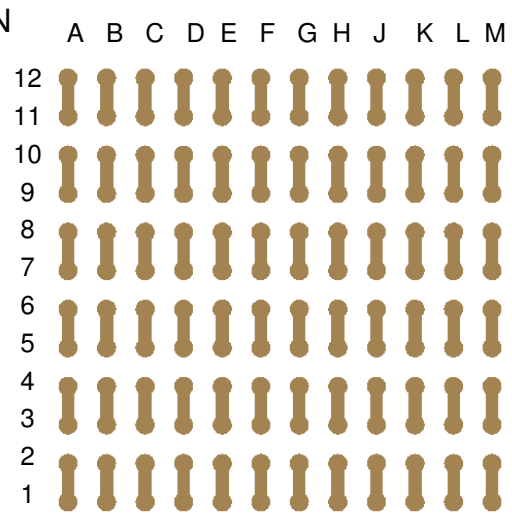
PART NUMBER TABLE				
PART NUMBER	BALL ALLOY	Pb-FREE	RoHS	Si DIE
WLP144T.3C-DC127D	Sn96.5/Ag3.0/Cu0.5	YES	YES	YES
WLP144T.3C1-DC127D	Sn98.3/Ag1.2/Cu0.5	YES	YES	YES

TOLERANCE UNLESS NOTED		APPROVALS		DATE	<b>TopLine</b> <sup>®</sup>			
X.X	+/- 0.3	DRAWN J. Hines		12/29/2010				
X.XX	+/- 0.03	ENG			TITLE WLP144T.3C-DC127D			
X.XXX	+/- 0.003	MFG			144-BALL P=0.3mm (TEG0306)			
ANGLES +/- 0.5°		THIRD ANGLE PROJECTION			SCALE	SIZE	DRAWING NO.	REV
ALL DIMENSIONS IN		<input type="checkbox"/> INCHES <input checked="" type="checkbox"/> MILLIMETERS			20:1	A	531272	A
					DO NOT SCALE DRAWING			SHEET 1 OF 2

BALL VIEW

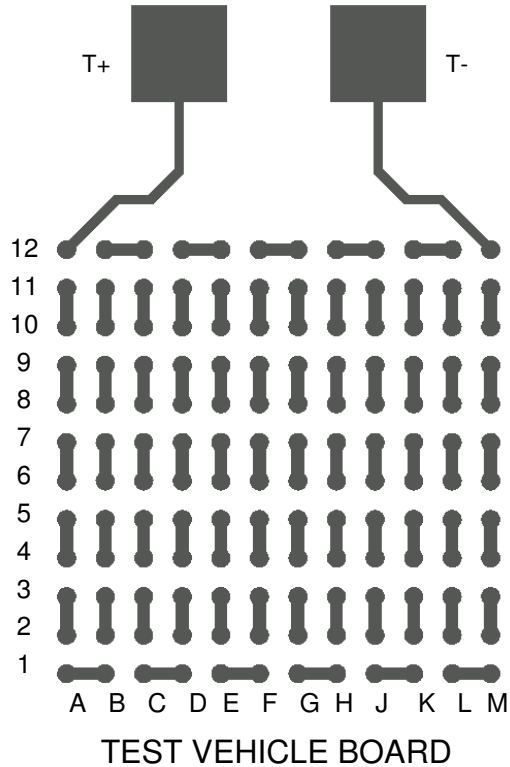


DAISY CHAIN PATTERN

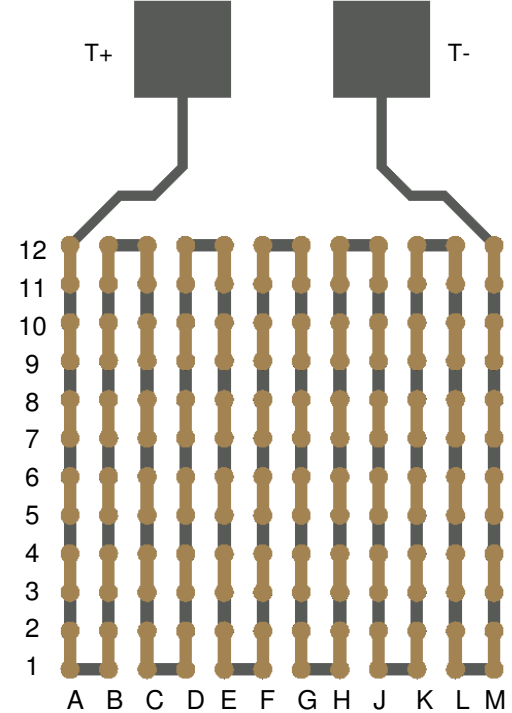


BOTTOM SIDE  
(TOP X-RAY VIEW)

TOP VIEW



AFTER MOUNTING  
TO TEST BOARD  
(TOP X-RAY VIEW)



TEST VEHICLE BOARD

Notes:

- 1) PCB BOARD DIMENSIONS ARE PRESENTED ONLY AS A GUIDELINE. DESIGNERS SHOULD USE THEIR OWN EXPERIENCE WHEN DESIGNING PCB.
- 2) PCB Cu BALL PAD DIAMETER 0.15mm (5.9mil).
- 3) PCB DAISY CHAIN TRACING LINE WIDTH 0.07mm (3mil).

<b>TopLine</b> ®			
TITLE WLP144T.3C-DC127D 144-BALL P=0.3mm (TEG0306)			
SCALE 17:1	SIZE A	DRAWING NO. 531272	REV A
DO NOT SCALE DRAWING		SHEET 2 OF 2	