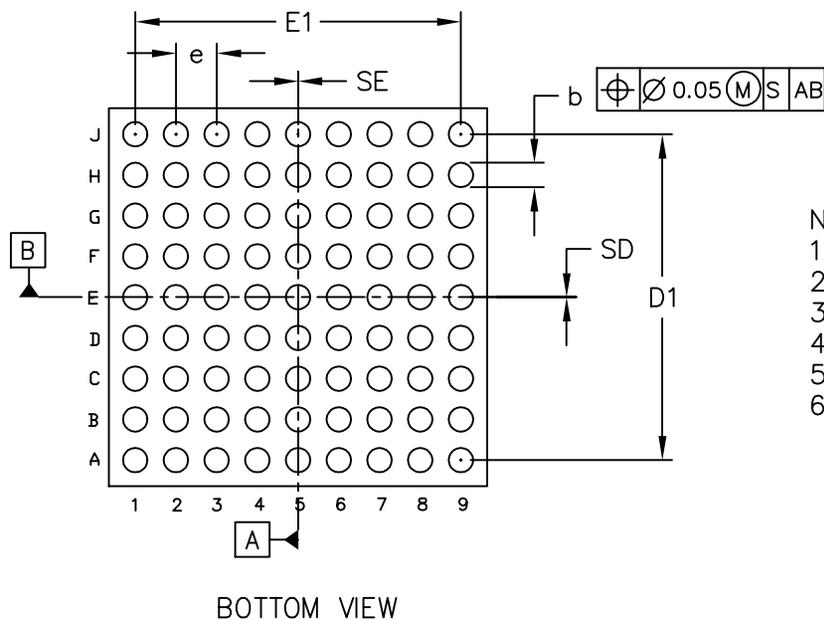


COMMON DIMENSIONS	
A	0.64±0.05
A1	0.24±0.03
A2	0.40 REF
A3	0.025–0.050 BASIC
b	∅0.31 REF
D1	4.00
E1	4.00
e	0.50 BASIC
SD	0.00 BASIC
SE	0.00 BASIC

PKG. CODE	E		D		DEPOPULATED BUMPS
	MIN	MAX	MIN	MAX	
R814A4+1	4.47	4.63	4.47	4.63	NONE



NOTES:

1. Terminal pitch is defined by terminal center to center value.
2. Outer dimension is defined by center lines between scribe lines.
3. All dimensions in millimeters.
4. Marking shown is for package orientation reference only.
5. Tolerance is ± 0.02mm unless specified otherwise.
6. All dimensions apply to PbFree (+) package codes only.

—DRAWING NOT TO SCALE—



TITLE:  
PACKAGE OUTLINE, 81 bumps,  
9x9 array, UCSP (R) pkg. 0.5mm pitch

APPROVAL TIE WANG 09-01-08	DOCUMENT CONTROL NO. 21-0434	REV. A	1/1
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