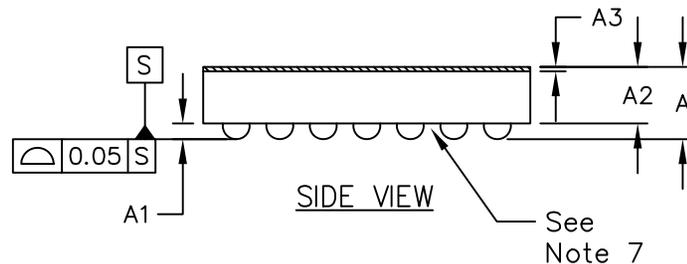
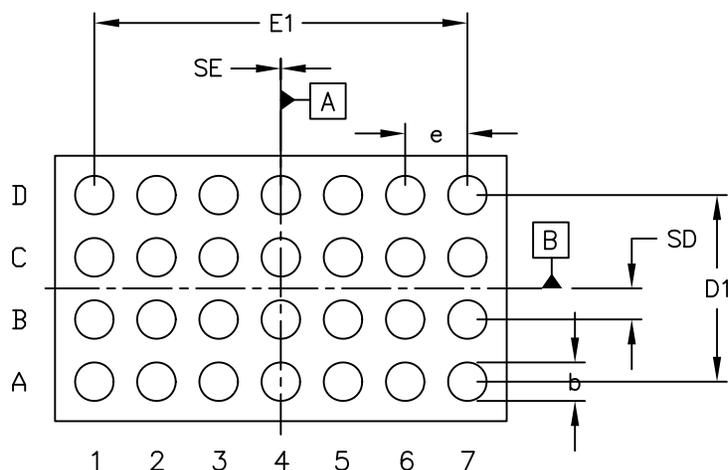


TOP VIEW



COMMON DIMENSIONS	
A	0.64±0.05
A1	0.24±0.03
A2	0.40 REF
A3	0.025 BASIC
b	∅0.31±0.03
D1	1.50 BASIC
E1	3.00 BASIC
e	0.50 BASIC
SD	0.25 BASIC
SE	0.00 BASIC

PKG. CODE	E		D		DEPOPULATED BUMPS
	MIN	MAX	MIN	MAX	
W282A3+1	3.49	3.61	1.99	2.11	NONE



BOTTOM VIEW

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.
7. Front-side finish can be either Black or Clear.

-DRAWING NOT TO SCALE-



TITLE:  
PACKAGE OUTLINE  
28 BUMPS WLP PKG. 0.5mm PITCH

APPROVAL  
TIE WANG  
4/26/10

DOCUMENT CONTROL NO.  
21-0493

REV. 1  
A 1/1