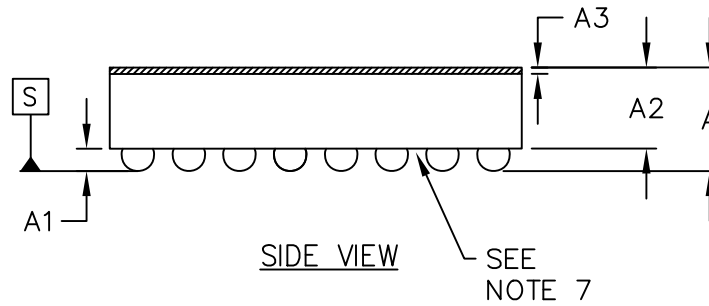


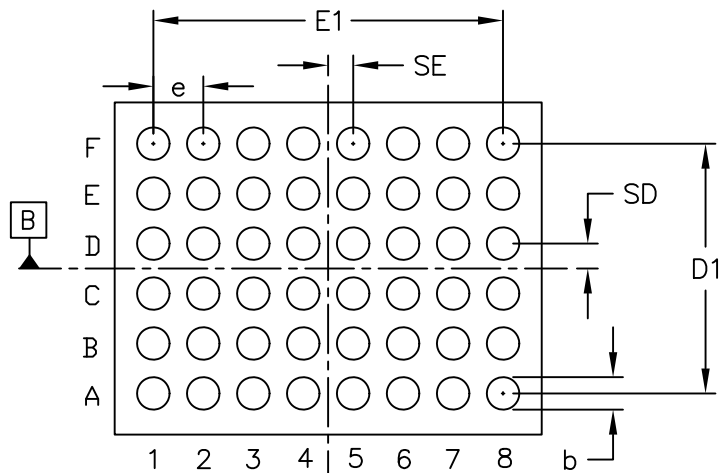
TOP VIEW



SIDE VIEW

COMMON DIMENSIONS	
A	0.64±0.05
A1	0.19±0.03
A2	0.45 REF
A3	0.025 BASIC
b	∅0.27±0.03
D1	2.00 BASIC
E1	2.80 BASIC
e	0.40 BASIC
SD	0.20 BASIC
SE	0.20 BASIC

PKG. CODE	E		D		DEPOPULATED BUMPS
	MIN	MAX	MIN	MAX	
W482A3+1	3.25	3.45	2.47	2.67	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.



TITLE: PACKAGE OUTLINE 48 BUMPS, WLP PKG. 0.4 mm PITCH			
APPROVAL TIE WANG 4/23/10	DOCUMENT CONTROL NO. 21-0230	REV. D	1/1

-DRAWING NOT TO SCALE-