



COMMON DIMENSIONS	
A	0.64 ±0.05
A1	0.24 ±0.03
A2	0.40 REF
A3	0.025 BASIC
b	Ø 0.31 ±0.03
D1	1.00 BASIC
E1	1.00 BASIC
e	0.50 BASIC
SD	0.00 BASIC
SE	0.00 BASIC

PKG. CODE	E	D	DEPOPULATED BUMPS
W91B1+1	1.555 ±0.075	1.555 ±0.075	NONE
W91B1+2	1.535 ±0.065	1.535 ±0.065	B1, B2, B3
W91B1+3	1.535 ±0.065	1.535 ±0.065	A2, B1, B2, B3, C2
W91B1+5	1.53 ±0.10	1.53 ±0.10	B2
W92A1+1	1.96 ±0.05	1.78 ±0.05	C1
W91A2+1	2.000 ±0.025	1.568 ±0.025	NONE
W91B2+1	1.997 ±0.025	1.947 ±0.025	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 millimeter.
  4. Marking shown is for package orientation reference only.
  5. Tolerance is ± 0.02 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 9 BUMPS  
WLP PKG, 0.50mm PITCH

APPROVAL DOCUMENT CONTROL NO.

21-0067

REV. H 1/1