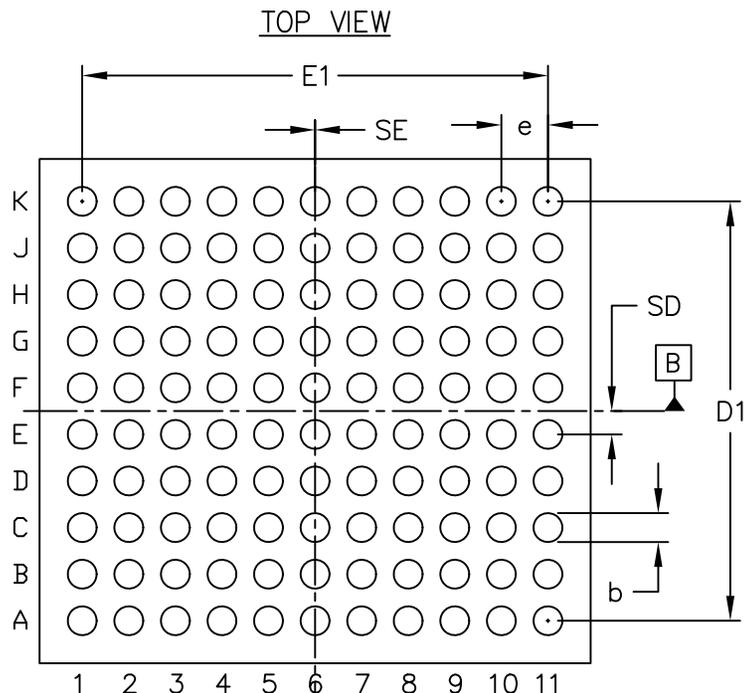


| COMMON DIMENSIONS | |
|-------------------|-------------|
| A | 0.64±0.05 |
| A1 | 0.24±0.03 |
| A2 | 0.40 REF |
| A3 | 0.025 BASIC |
| A4 | 0.07 BASIC |
| b | ∅0.31±0.03 |
| D1 | 4.50 |
| E1 | 5.00 |
| e | 0.50 BASIC |
| SD | 0.25 BASIC |
| SE | 0.00 BASIC |



| PKG. CODE | E | | D | | DEPOPULATED BUMPS |
|-----------|------|------|------|------|-------------------|
| | MIN | MAX | MIN | MAX | |
| W1105A5+1 | 5.73 | 5.87 | 4.96 | 5.11 | 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.



TITLE:
PACKAGE OUTLINE
110 BUMPS, WLP PKG. 0.5mm PITCH

APPROVAL
REYNANTE ALVARADO
05/27/10

DOCUMENT CONTROL NO.
21-0445

REV. D 1/1

-DRAWING NOT TO SCALE-