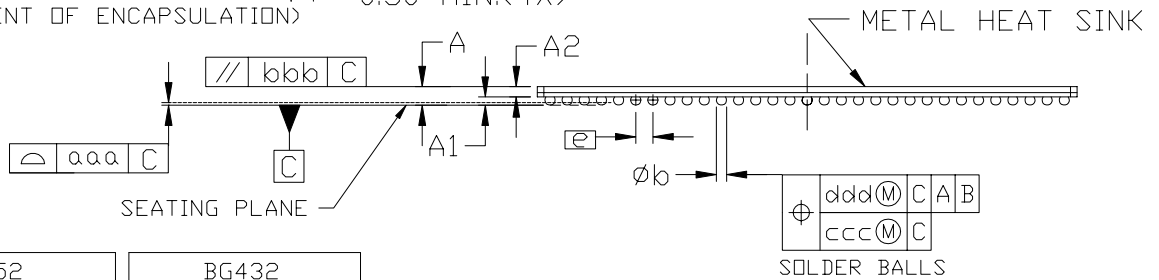
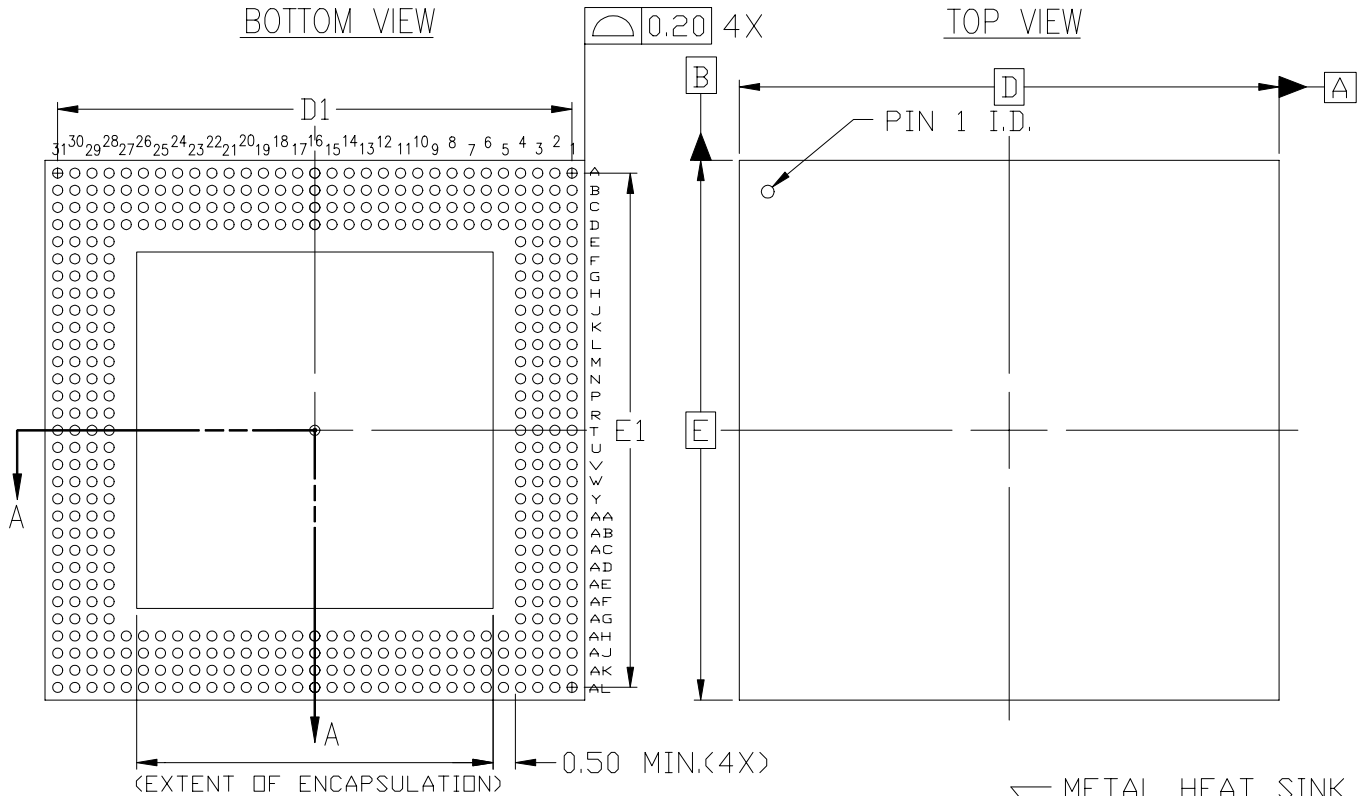
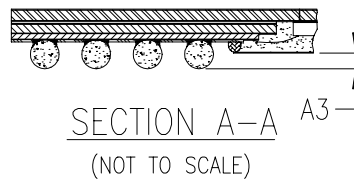


BGA Packages - BG352, BG432



| SYMBOL | BG352 | | | BG432 | | |
|--------------------------------|--------------------|-----------|-----------|--------------------|-----------|-----------|
| | MILLIMETERS | | | MILLIMETERS | | |
| | MIN. | NOM. | MAX. | MIN. | NOM. | MAX. |
| A | 1.10 | 1.40 | 1.70 | 1.10 | 1.40 | 1.70 |
| A ₁ | 0.50 | 0.60 | 0.70 | 0.50 | 0.60 | 0.70 |
| A ₂ | 0.60 | <i>∕∕</i> | 1.00 | 0.60 | <i>∕∕</i> | 1.00 |
| A ₃ | 0.20 | <i>∕∕</i> | <i>∕∕</i> | 0.20 | <i>∕∕</i> | <i>∕∕</i> |
| D/E | 35.00 BSC | | | 40.00 BSC | | |
| D ₁ /E ₁ | 31.75 REF. | | | 38.10 REF. | | |
| e | 1.27 BSC | | | 1.27 BSC | | |
| φb | 0.60 | 0.75 | 0.90 | 0.60 | 0.75 | 0.90 |
| aaa | <i>∕∕</i> | <i>∕∕</i> | 0.20 | <i>∕∕</i> | <i>∕∕</i> | 0.20 |
| bbb | <i>∕∕</i> | <i>∕∕</i> | 0.25 | <i>∕∕</i> | <i>∕∕</i> | 0.25 |
| ccc | <i>∕∕</i> | <i>∕∕</i> | 0.15 | <i>∕∕</i> | <i>∕∕</i> | 0.15 |
| ddd | <i>∕∕</i> | <i>∕∕</i> | 0.30 | <i>∕∕</i> | <i>∕∕</i> | 0.30 |
| M | 26 | | | 31 | | |
| REF. | JEDEC MO-192-BAR-2 | | | JEDEC MO-192-BAU-1 | | |



NOTES:

1. ALL DIMENSIONS AND TOLERANCES CONFORM TO ANSI Y14.5M-1994
2. SYMBOL "M" IS THE PIN MATRIX SIZE.
3. CONFORMS TO JEDEC MO-192 (DEPOPULATED)
4. 31X31 MATRIX SIZE IS SHOWN FOR ILLUSTRATION ONLY.
5. BOTH PACKAGES HAVE 4 ROWS OF PINS ON EACH SIDE.
6. CONTACT XILINX FOR CLARIFICATION.

352, 432-BALL PLASTIC BGA (BG352, BG432)
CAVITY DOWN