



| DIM                | MIN  | NOM  | MAX  |
|--------------------|------|------|------|
| A                  | 1.24 | 1.40 | 1.47 |
| A1                 | 0.36 | 0.44 | 0.46 |
| A2                 | 0.88 | 0.96 | 1.01 |
| b                  | 0.44 | 0.54 | 0.60 |
| NUMBER OF BALLS 81 |      |      |      |

PKG. CODES:  
X81-1; X81-2; X81-3

NOTES:

1. DIMENSION IS MM.
2. THE BASIC SOLDER BALL GRID PITCH IS 1.00 MM.
3. DIMENSION IS MEASURED AT THE MAXIMUM SOLDER BALL DIAMETER, PARALLEL TO PRIMARY DATUM C.
4. PRIMARY DATUM C AND SEATING PLANE ARE DEFINED BY THE SPHERICAL CROWNS OF THE SOLDER BALLS.
5. A1 BALL PAD CORNER I.D.
6. MARKING SHOWN IS FOR PACKAGE ORIENTATION REFERENCE ONLY.
7. ALL DIMENSIONS APPLY TO BOTH LEADED (-) AND PbFREE (+) PKG. CODES.

-DRAWING NOT TO SCALE-



TITLE:  
PACKAGE OUTLINE, 81 BALLS CSBGA,  
10x10mm, 2 LAYER, 1.00mm PITCH

| APPROVAL | DOCUMENT CONTROL NO. | REV. |     |
|----------|----------------------|------|-----|
|          | 21-0360              | B    | 1/1 |