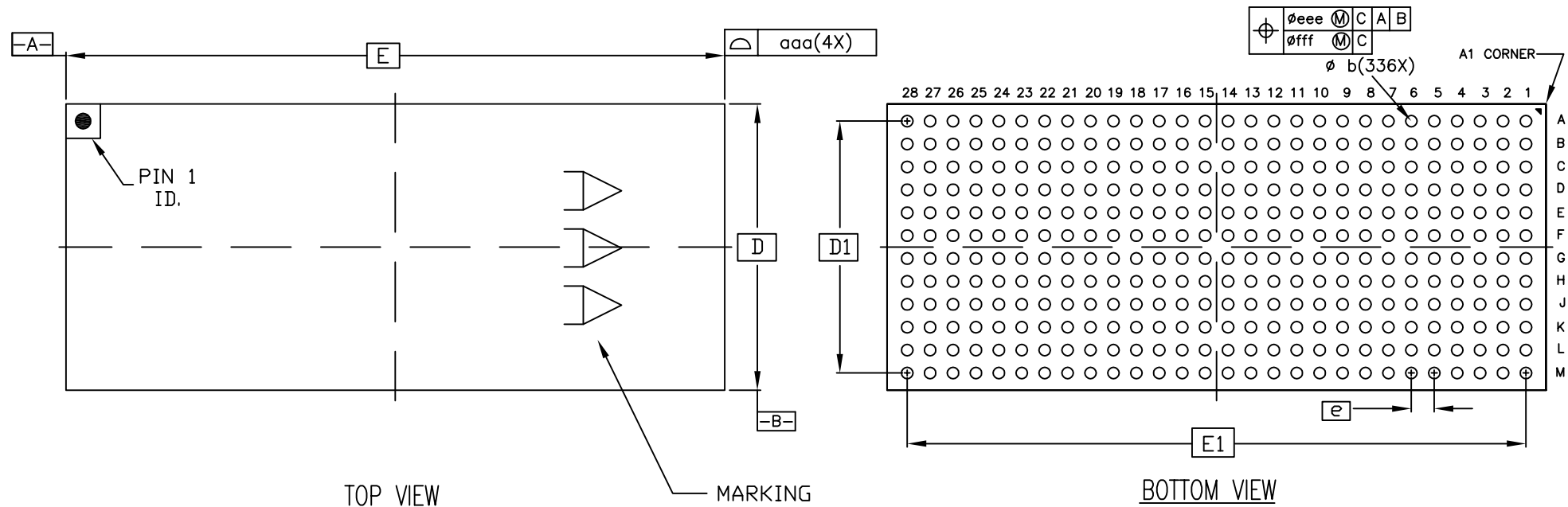


#### NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. ALL DIMENSIONS AND TOLERANCES CONFORM TO ANSI Y14.5M-1994.
3. MATERIAL MUST COMPLY WITH BANNED AND RESTRICTED SUBSTANCES SPEC #10-0131.
4. PRIMARY DATUM Z AND SEATING PLANE ARE DEFINED BY THE SPHERICAL CROWNS OF THE SOLDER BALLS.
5. PARALLELISM MEASUREMENT SHALL EXCLUDE ANY EFFECT OF MARK ON TOP SURFACE OF PACKAGE.
6. MARKING SHOWN IS FOR PKG. ORIENTATION PURPOSE ONLY.
7. ALL DIMENSIONS APPLY TO PbFREE (+) PKG. CODE ONLY.
8. PACKAGE CODE: X336023M+2, X336023M+3

| SYMBOL | COMMON DIMENSIONS |          |       |
|--------|-------------------|----------|-------|
|        | MIN.              | NOM.     | MAX.  |
| A      | 1.13              | 1.23     | 1.40  |
| A1     | 0.27              | 0.32     | 0.37  |
| A2     |                   | 0.70 REF |       |
| b      | 0.38              | 0.43     | 0.48  |
| D      | 9.90              | 10.00    | 10.10 |
| D1     | 8.800 BSC         |          |       |
| E      | 22.90             | 23.00    | 23.10 |
| E1     | 21.60 BSC         |          |       |
| e      | 0.80 BSC.         |          |       |
| aaa    | 0.15              |          |       |
| bbb    | 0.20              |          |       |
| ddd    | 0.14              |          |       |
| eee    | 0.15              |          |       |
| fff    | 0.08              |          |       |
| N      | 336               |          |       |



TITLE:  
PACKAGE OUTLINE, 336 BALLS CSPGA,  
10x23x1.4mm, 0.8mm PITCH

APPROVAL  
SCOTT SCHROEDER  
08/19/14

DOCUMENT CONTROL NO.  
21-0639

REV. C 1/1

-DRAWING NOT TO SCALE-