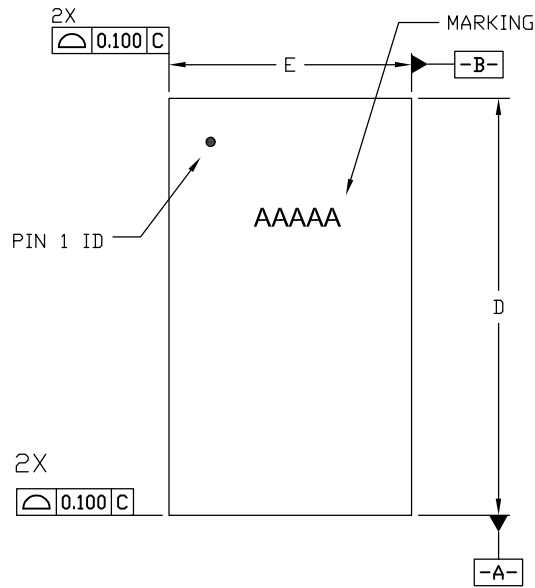
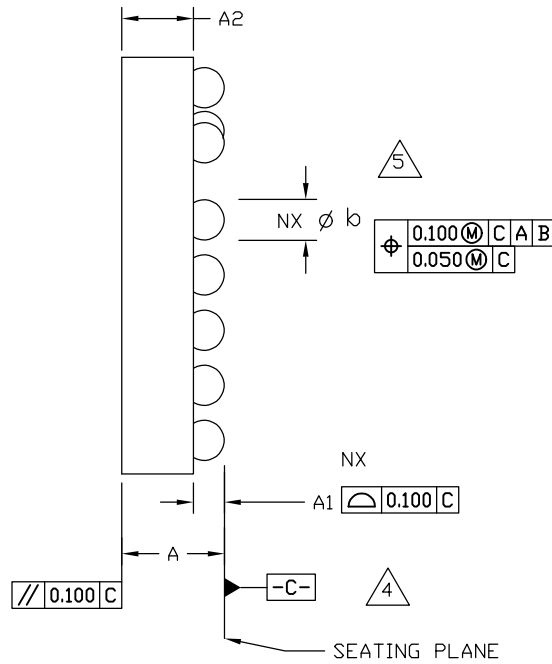


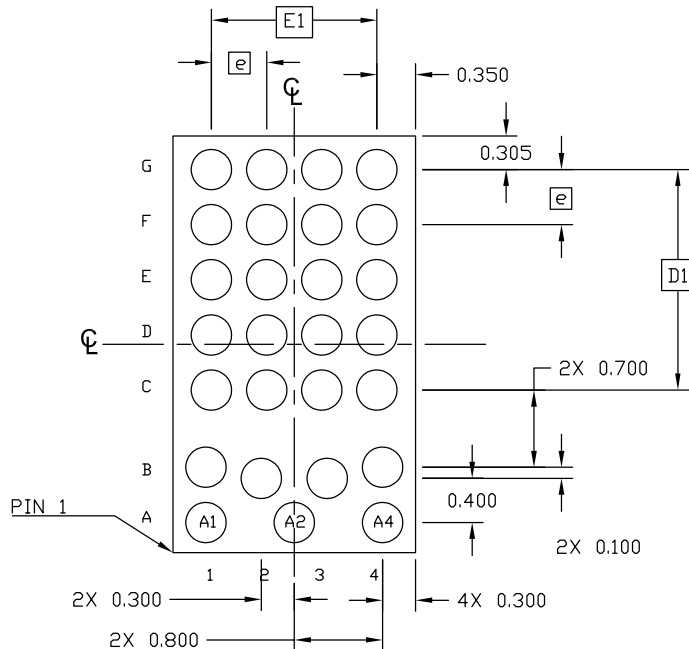
TOP VIEW



SIDE VIEW



BOTTOM VIEW



| DIM | MILLIMETERS | | | INCHES | | |
|-----|-------------|-------|-------|-------------|-------|-------|
| | MIN | NOM | MAX | MIN | NOM | MAX |
| A | 0.880 | 0.930 | 0.980 | 0.035 | 0.037 | 0.039 |
| A1 | 0.250 | 0.280 | 0.310 | 0.010 | 0.011 | 0.012 |
| A2 | 0.630 | 0.650 | 0.670 | 0.025 | 0.026 | 0.026 |
| b | 0.340 | 0.370 | 0.400 | 0.013 | 0.015 | 0.016 |
| D | 3.730 | 3.780 | 3.830 | 0.147 | 0.149 | 0.151 |
| D1 | 2.000 BSC | | | 0.07874 BSC | | |
| E | 2.150 | 2.200 | 2.250 | 0.085 | 0.087 | 0.089 |
| E1 | 1.500 BSC | | | 0.05906 BSC | | |
| e | 0.500 BSC | | | 0.01969 BSC | | |
| MD | 5 BALLS | | | 5 BALLS | | |
| ME | 4 BALLS | | | 4 BALLS | | |
| N | 27 BALLS | | | 27 BALLS | | |

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS.
- MD IS THE BALL MATRIX SIZE IN THE "D" DIRECTION, ME IS THE BALL MATRIX SIZE IN THE "E" DIRECTION, AND N IS THE TOTAL NUMBER OF BALLS FOR THE MATRIX SIZE MD X ME AND DOES NOT INCLUDE BALLS FROM ANY DEPOPULATED LOCATIONS.
- DIMENSIONING AND TOLERANCING CONFORM TO ASME Y14.5M-2009.
- PRIMARY DATUM C (SEATING PLANE) IS DEFINED BY THE CROWNS OF THE SOLDER BALLS.
- DIMENSION b IS MEASURED AT THE MAXIMUM SOLDER BALL DIAMETER IN A PLANE PARALLEL TO DATUM C.
- MARKING SHOWN IS FOR PKG. ORIENTATION PURPOSE ONLY.
- MATERIAL MUST COMPLY WITH BANNED AND RESTRICTED SUBSTANCES SPEC #10-0131.
- ALL DIMENSIONS APPLY TO PbFREE (+) PKG. CODES ONLY.



TITLE:
PACKAGE OUTLINE, 27 BALLS
WLCSP, 0.50mm PITCH, C272C3+1

APPROVAL

DOCUMENT CONTROL NO.
21-0928

REV. 1
D 1/1

-DRAWING NOT TO SCALE-