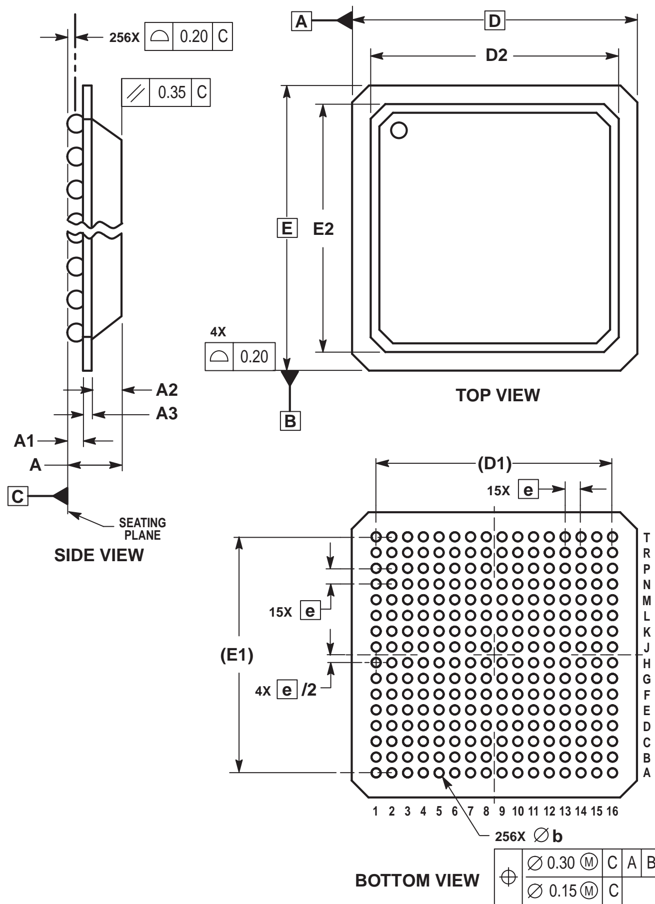
24.3 PACKAGE DIMENSIONS–PLASTIC BALL GRID ARRAY (PBGA)

For more information on the printed circuit board layout of the PBGA package, including thermal via design and suggested pad layout, please refer to AN-1231/D, *Plastic Ball Grid Array Application Note* available from your local Motorola sales office.



NOTES:
1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 1994.
2. DIMENSIONS IN MILLIMETERS.
3. DIMENSION b IS MEASURED AT THE MAXIMUM SOLDER BALL DIAMETER, PARALLEL TO PRIMARY DATUM C.
4. PRIMARY DATUM C AND THE SEATING PLANE ARE DEFINED BY THE SPHERICAL CROWNS OF THE SOLDER BALLS.

	MILLIMETERS	
DIM	MIN	MAX
A	1.91	2.35
A1	0.50	0.70
A2	1.12	1.22
A3	0.29	0.43
b	0.60	0.90
D	23.00 BSC	
D1	19.05 REF	
D2	19.00	20.00
E	23.00 BSC	
E1	19.05 REF	
E2	19.00	20.00
e	1.27 BSC	

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