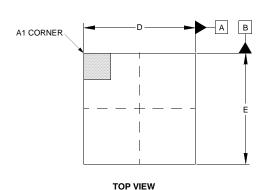
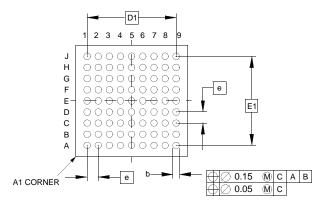
Thin, Fine Pitch, Plastic Ball Grid Array Package (TFBGA)





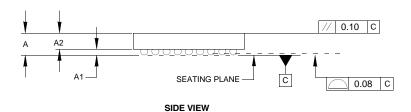
V81.5x5
81 BALL THIN, FINE PITCH, PLASTIC BALL GRID ARRAY PACKAGE (TFBGA)

SYMBOL	MIN	NOMINAL	MAX	NOTES
Α	0.75	0.91	1.07	-
A1	0.15	0.21	0.27	-
A2	0.60	0.70	0.80	-
b	0.25	0.30	0.35	-
D/E	4.90	5.00	5.10	-
D1/E1	4.0 BSC			-
N	81			3
е	0.5 BSC			-
MD/ME	9x9			6

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NOTES:

- 1. Dimensions are in millimeters.
- 2. Dimensioning and tolerancing conform to ASME Y 14.5M-1994.
- 3. "N" is the total number of balls.
- 4. Primary datum C and seating plane are defined by the spherical crowns of the contact balls.
- 5. Pin "A1" is marked on the top and bottom sides adjacent to A1.
- 6. "MD" and "ME" are the number of balls in the matrix in the D and E directions respectively.



BOTTOM VIEW