

MECHANICAL CASE OUTLINE

PACKAGE DIMENSIONS

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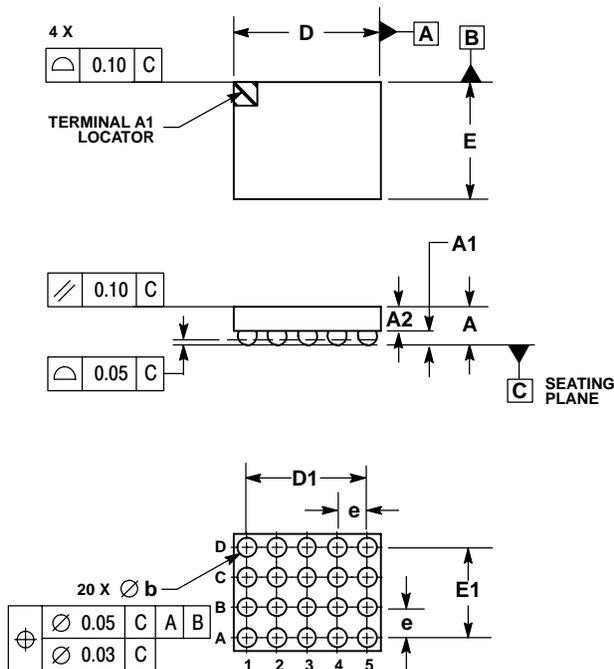


20 PIN FLIP CHIP CSP CASE 499A-01 ISSUE O

DATE 05/14/2002



SCALE 4:1

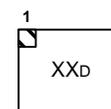


NOTES:

1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 1994.
2. CONTROLLING DIMENSION: MILLIMETERS.
3. COPLANARITY APPLIES TO SPHERICAL CROWNS OF SOLDER BALLS.

MILLIMETERS		
DIM	MIN	MAX
A	---	0.700
A1	0.210	0.270
A2	0.380	0.430
D	2.450 BSC	
E	1.950 BSC	
b	0.290	0.340
e	0.500 BSC	
D1	2.000 BSC	
E1	1.500 BSC	

MARKING DIAGRAM



XX = Device Code
D = Date Code

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