



SCALE 4:1

9 PIN FLIP-CHIP CASE 499AL-01

DATE 30 AUG 2004

- NOTES:
 1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982.
 2. CONTROLLING DIMENSION: MILLIMETERS.
 3. COPLANARITY APPLIES TO SPHERICAL CROWNS OF SOLDER BALLS.

	MILLIMETERS	
DIM	MIN	MAX
Α	0.540	0.660
A1	0.210	0.270
A2	0.330	0.390
D	1.450 BSC	
E	1.450 BSC	
b	0.290	0.340
е	0.500 BSC	
D1	1.000 BSC	
F1	1.000 BSC	

GENERIC MARKING DIAGRAM*



XXXX = Specific Device Code = Assembly Location Α

Υ = Year WW = Work Week G or ■ = Pb-Free Package

*This information is generic. Please refer to device data sheet for actual part marking. Pb-Free indicator, "G" or microdot " ■", may or may not be present.

	4 X ☐ 0.10	— ✓ D →	-A- -B- E
		TOP VIEW	· —-
	// 0.10 C	<u> </u>	A —
	<u></u> 0.05] 🗼 🐧
	-C-	1	-
	SEATING	T A2	
	PLANE	SIDE VIEW	A1
	PLANE	SIDE VIEW	
	PLANE	SIDE VIEW	
	PLANE	<u>▼D1</u> →	
	PLANE	D1 > e	⊬
		C	
	9x⊘ b	C	⊬
lack		C	⊬

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NEW STANDARD:		"CONTROLLED COPY" in red.	
DESCRIPTION:	9 PIN FLIP-CHIP, 1.45 X 1.45 MM		PAGE 1 OF 2

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