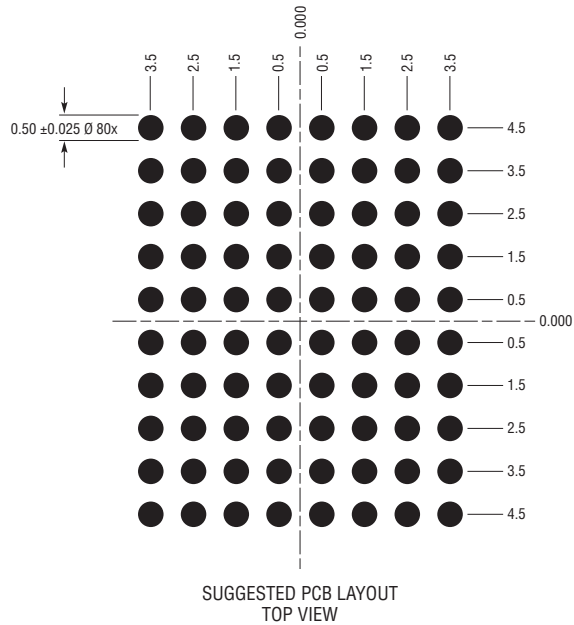
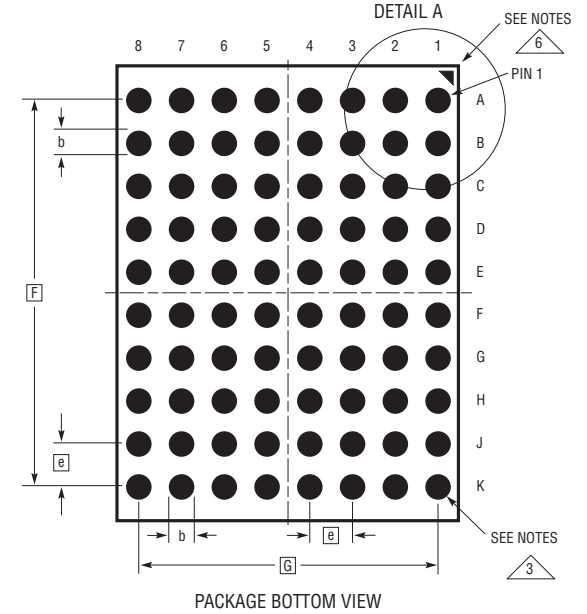
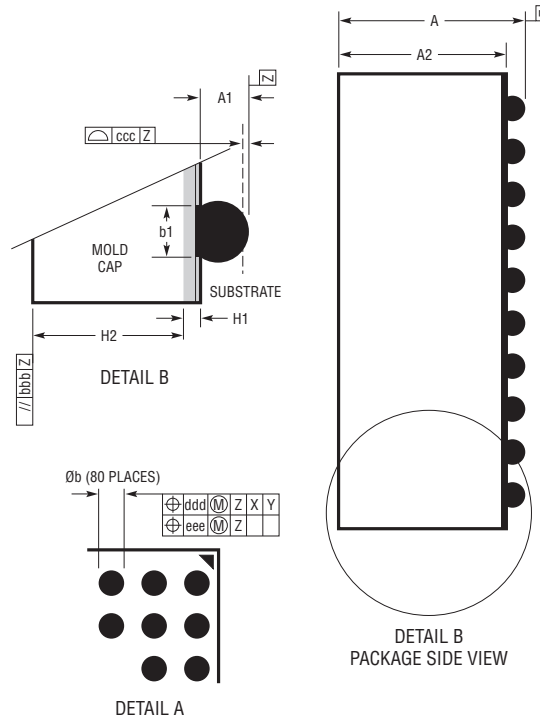
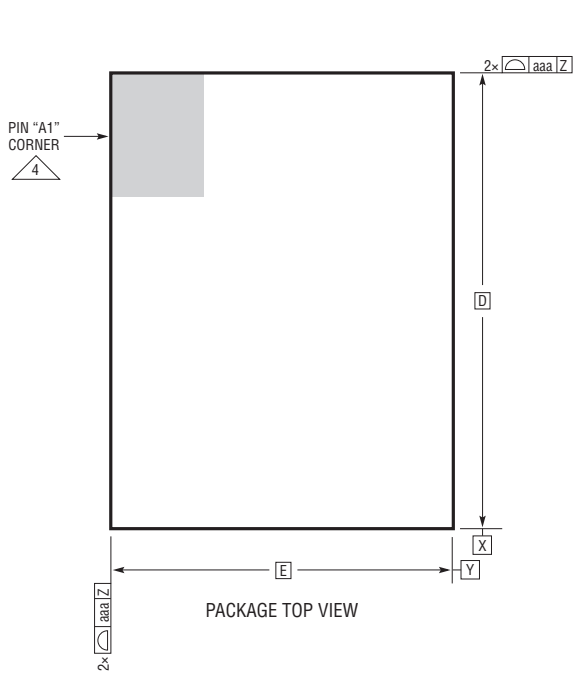


**BGA Package**  
**80-Lead (11.25mm × 9mm × 3.32mm)**  
 (Reference LTC DWG # 05-08-1997 Rev B)



DIMENSIONS				
SYMBOL	MIN	NOM	MAX	NOTES
A	3.12	3.32	3.52	
A1	0.40	0.50	0.60	BALL HT
A2	2.72	2.82	2.92	
b	0.50	0.60	0.70	BALL DIMENSION
b1	0.47	0.50	0.53	PAD DIMENSION
D	11.25			
E	9.00			
e	1.00			
F	9.00			
G	7.00			
H1	0.32 REF			SUBSTRATE THK
H2	2.50 REF			MOLD CAP HT
aaa			0.15	
bbb			0.10	
ccc			0.20	
ddd			0.25	
eee			0.10	
TOTAL NUMBER OF BALLS: 80				

NOTES:  
 1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994

2. ALL DIMENSIONS ARE IN MILLIMETERS

3 BALL DESIGNATION PER JEP95

4 DETAILS OF PIN #1 IDENTIFIER ARE OPTIONAL, BUT MUST BE LOCATED WITHIN THE ZONE INDICATED. THE PIN #1 IDENTIFIER MAY BE EITHER A MOLD OR MARKED FEATURE

5. PRIMARY DATUM -Z- IS SEATING PLANE

6 PACKAGE ROW AND COLUMN LABELING MAY VARY AMONG μModule PRODUCTS. REVIEW EACH PACKAGE LAYOUT CAREFULLY

