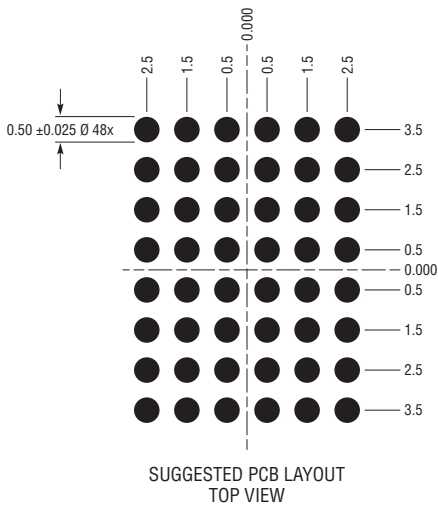
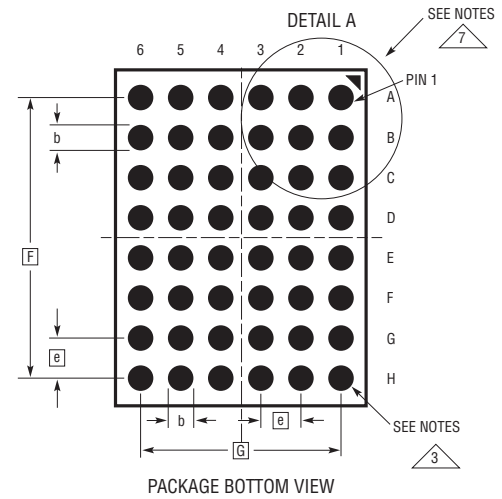
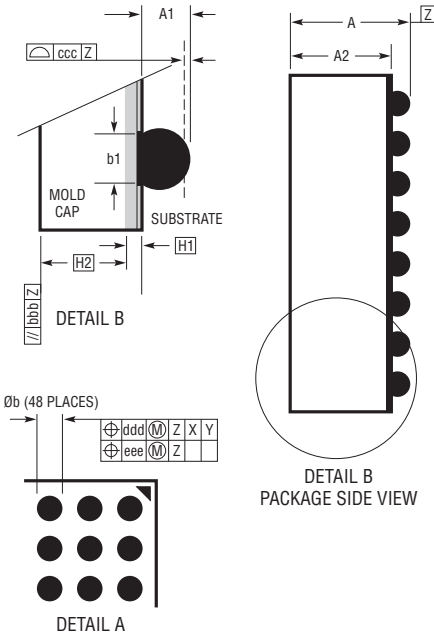
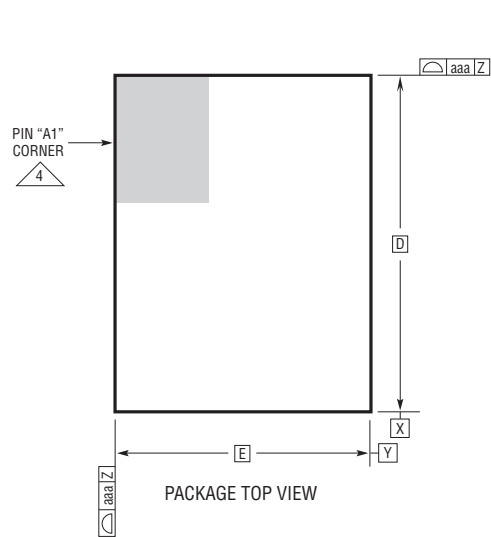


BGA Package
48-Lead (9mm × 6.25mm × 3.32mm)
 (Reference LTC DWG # 05-08-1999 Rev A)



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		9.00		
E		6.25		
e		1.00		
F		7.00		
G		5.00		
H1	0.27	0.32	0.37	SUBSTRATE THK
H2	2.45	2.50	2.55	MOLD CAP HT
aaa			0.15	
bbb			0.10	
ccc			0.20	
ddd			0.25	
eee			0.10	

TOTAL NUMBER OF BALLS: 48

- 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. SOLDER BALL COMPOSITION IS 96.5% Sn/3.0% Ag/0.5% Cu
 7. PACKAGE ROW AND COLUMN LABELING MAY VARY AMONG µModule PRODUCTS. REVIEW EACH PACKAGE LAYOUT CAREFULLY

