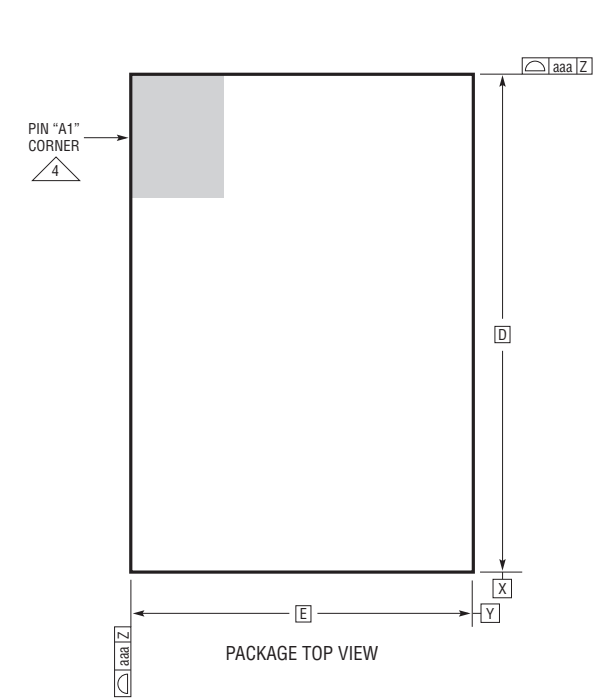
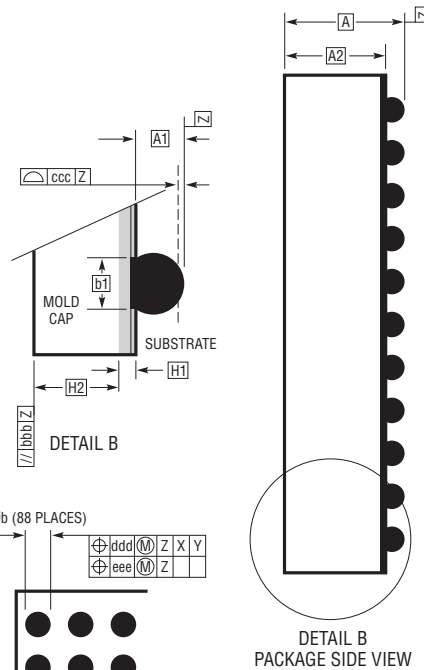


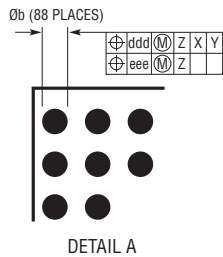
**BGA Package**  
**88-Lead (15mm × 11.25mm × 3.42mm)**  
 (Reference LTC DWG # 05-08-1928 Rev C)



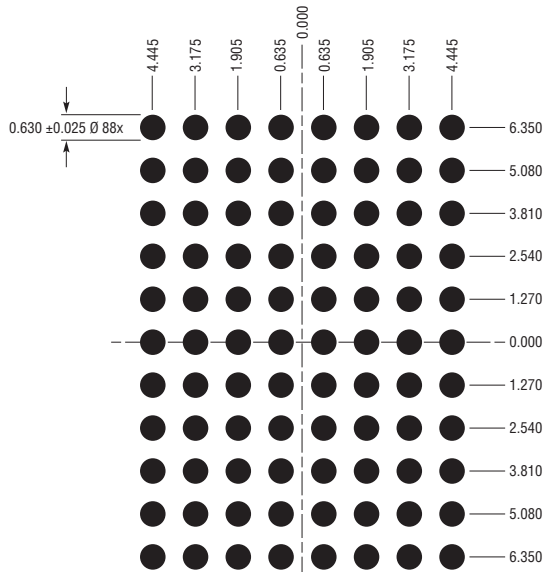
PACKAGE TOP VIEW



DETAIL B  
PACKAGE SIDE VIEW

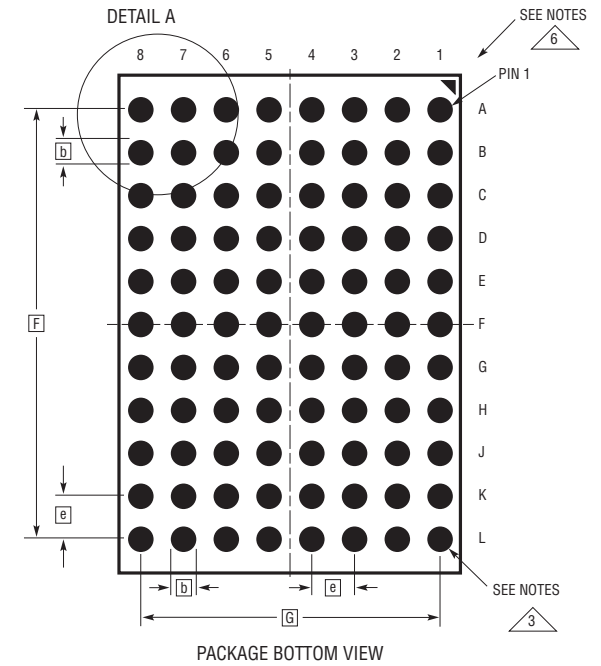


DETAIL A



SUGGESTED PCB LAYOUT  
TOP VIEW

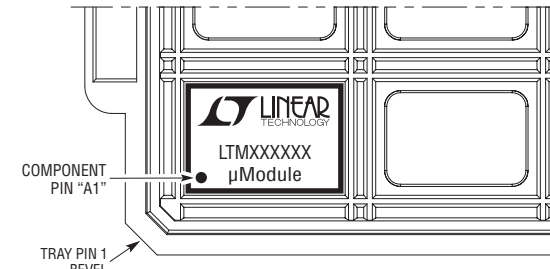
DIMENSIONS				
SYMBOL	MIN	NOM	MAX	NOTES
A	3.22	3.42	3.62	
A1	0.50	0.60	0.70	BALL HT
A2	2.72	2.82	2.92	
b	0.60	0.75	0.90	BALL DIMENSION
b1	0.60	0.63	0.66	PAD DIMENSION
D		15.00		
E		11.25		
e		1.27		
F		12.70		
G		8.89		
H1	0.27	0.32	0.37	SUBSTRATE THK
H2	2.45	2.50	2.55	MOLD CAP HT
aaa			0.15	
bbb			0.10	
ccc			0.20	
ddd			0.30	
eee			0.15	
TOTAL NUMBER OF BALLS: 88				



PACKAGE BOTTOM VIEW

NOTES:

1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994
2. ALL DIMENSIONS ARE IN MILLIMETERS
3. BALL DESIGNATION PER JESD MS-028 AND 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



PACKAGE IN TRAY LOADING ORIENTATION