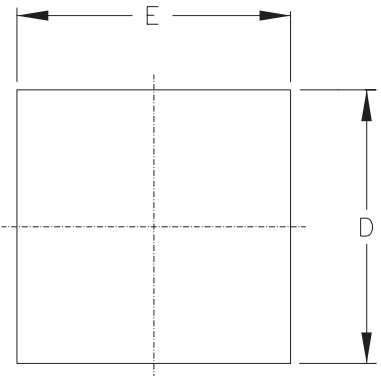


REVISION HISTORY			
REV.	DISCRIPTION	DATE	APP'D
A	DRAWING ORIGINATION	01/30/14	PC

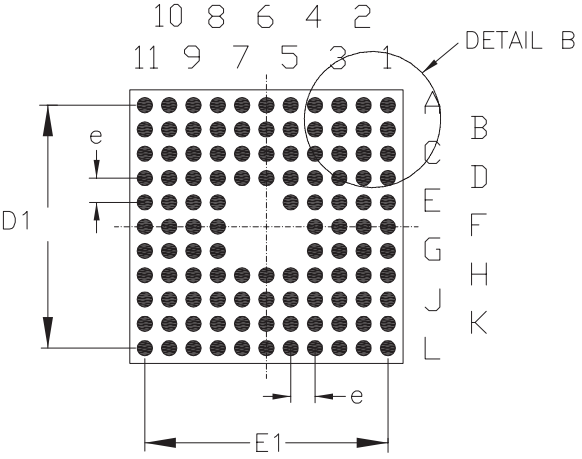
113-Ball 9X9mm L-fpBGA

SYMBOLS	DIMENSIONS IN MM (Control Unit)			DIMENSIONS IN INCH (Reference Unit)		
	MIN	NOM	MAX	MIN	NOM	MAX
A	1.23	1.38	1.53	0.048	0.054	0.060
A1	0.28	0.33	0.38	0.011	0.013	0.015
A2	0.65	0.70	0.75	0.026	0.028	0.030
C	0.30	0.35	0.40	0.012	0.014	0.016
D	9.00 BSC			0.354 BSC		
D1	8.00 BSC			0.315 BSC		
E	9.00 BSC			0.354 BSC		
E1	8.00 BSC			0.315 BSC		
b	0.45	0.50	0.55	0.018	0.020	0.022
e	0.80 BSC			0.031 BSC		
M	11			11		
N	113			113		

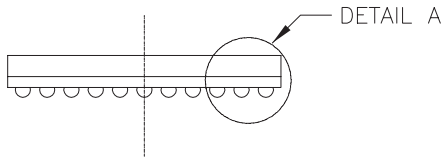
NOTES: 'M' REPRESENTS THE BASIC BALL MATRIX SIZE.



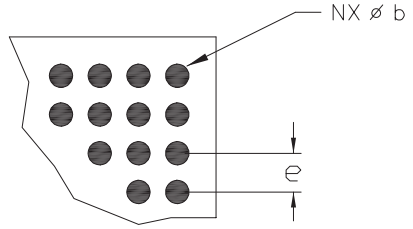
TOP VIEW



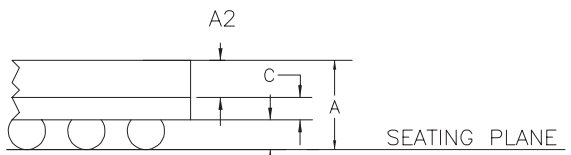
BOTTOM VIEW



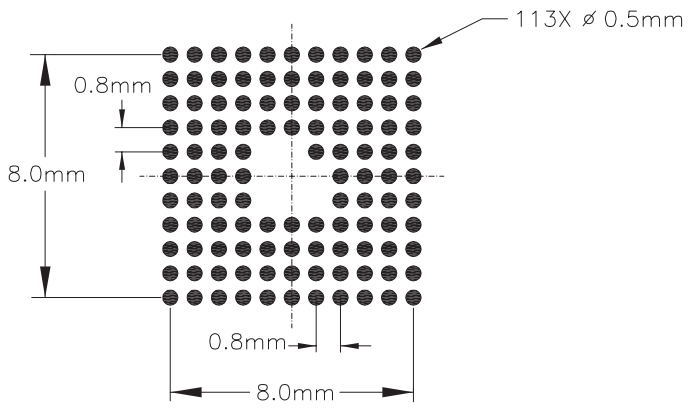
SIDE VIEW




DETAIL B



DETAIL A



RECOMMENDED PCB LAND PATTERN

 A New Direction in Mixed-Signal	EXAR CORPORATION		
	113-BALL 9X9mm L-fpBGA PACKAGE OUTLINE		
Packaging Approval:		Drawing No:	POD-0000056
By: PC	Date: 01/30/14	Revision: A	Sheet: 1 OF 1