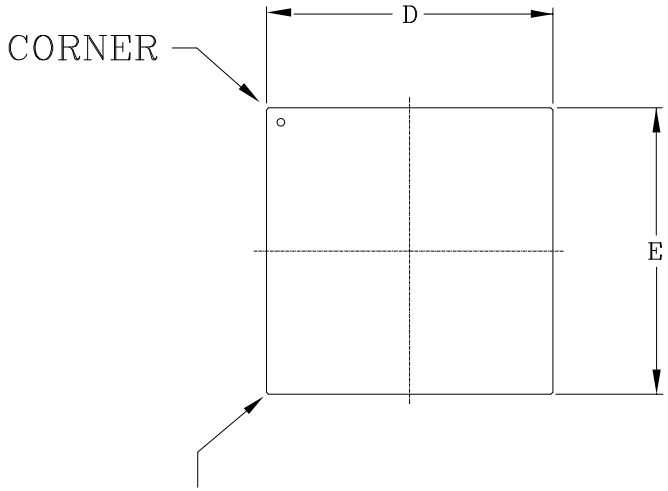
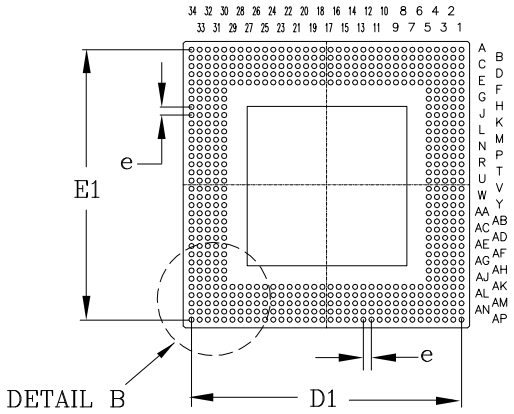
REVISION HISTORY			
REV.	DISCRIPTION	DATE	APP'D
A	DRAWING ORIGINATION	08/17/09	PC



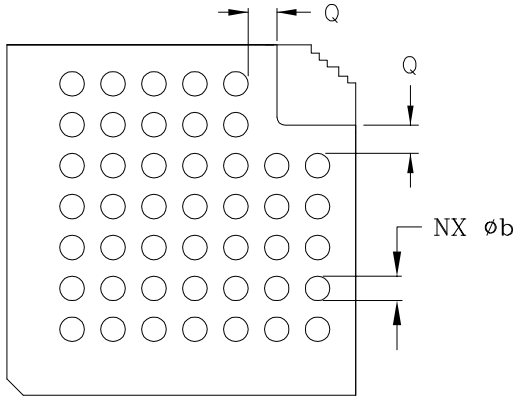
TOP VIEW



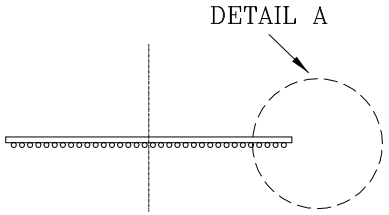
BOTTOM VIEW

580-BALL 35X35mm TBGA JEDEC MS-149 VARIATION AL-1L						
SYMBOLS	DIMENSIONS IN MM (Control Unit)			DIMENSIONS IN INCH (Reference Unit)		
	MIN	NOM	MAX	MIN	NOM	MAX
A	1.20	1.40	1.60	0.047	0.055	0.063
A1	0.40	0.50	0.60	0.016	0.020	0.024
A2	0.80	0.90	1.00	0.031	0.035	0.039
A4	0.10	—	—	0.004	—	—
D	34.80	35.00	35.20	1.370	1.378	1.386
D1	33.00 BSC			1.299 BSC		
E	34.80	35.00	35.20	1.370	1.378	1.386
E1	33.00 BSC			1.299 BSC		
b	0.50	0.63	0.75	0.020	0.025	0.030
e	1.00 BSC			0.039 BSC		
Q	0.25	—	—	0.010	—	—
M	34			34		
N	580			580		

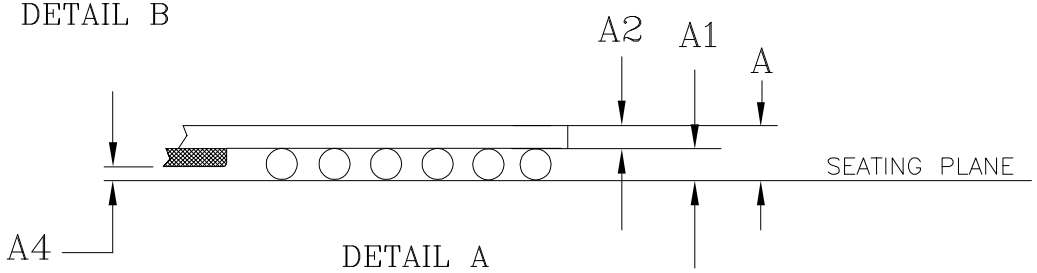
NOTES: "M" REPRESENTS THE SOLDER BALL MATRIX SIZE.



DETAIL B



SIDE VIEW



DETAIL A

EXAR CORPORATION

580-BALL 35X35mm TBGA PACKAGE OUTLINE

Packaging Approval:

Drawing No: 580-BALL 35X35mm TBGA

By: PC | Date: 08/17/09 | Revision: A | Sheet: 1 OF 1