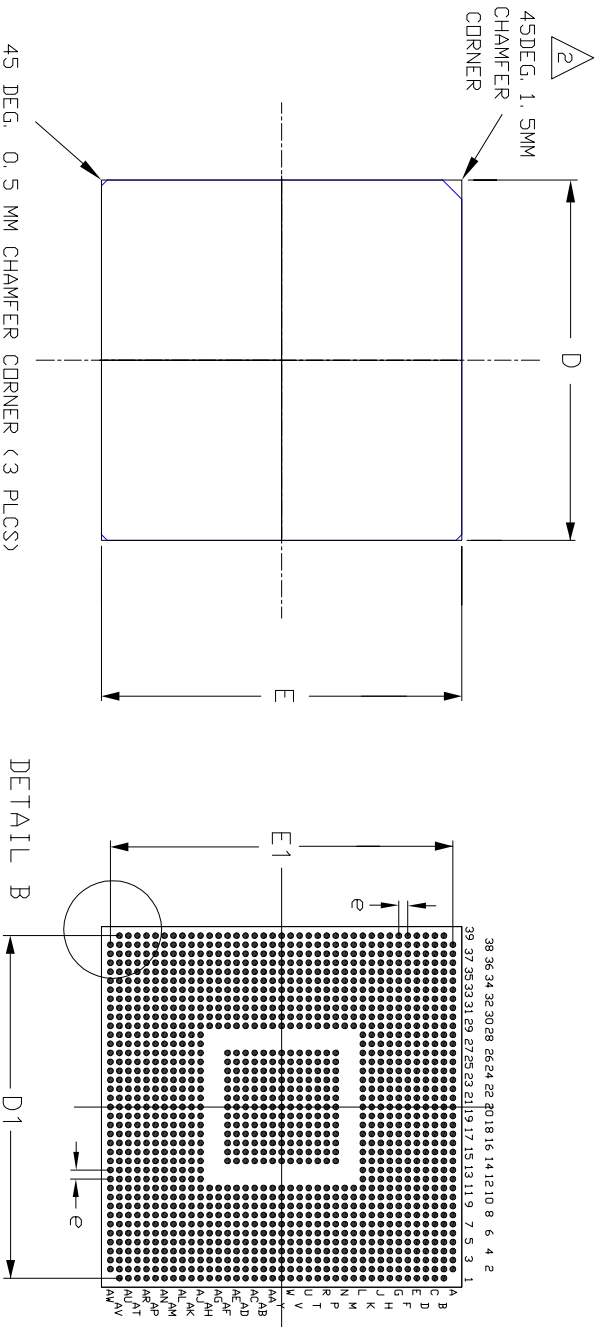


REVISION HISTORY			
REV.	DISCRIPTION	DATE	APP'D
A	DRAWING ORIGINATOR	09/11/09	PC
B	ADD DIMENSION A4	09/11/09	PC
C	CHANGE NAME "FCBGA" TO "HFCBGA"	02/08/10	PC



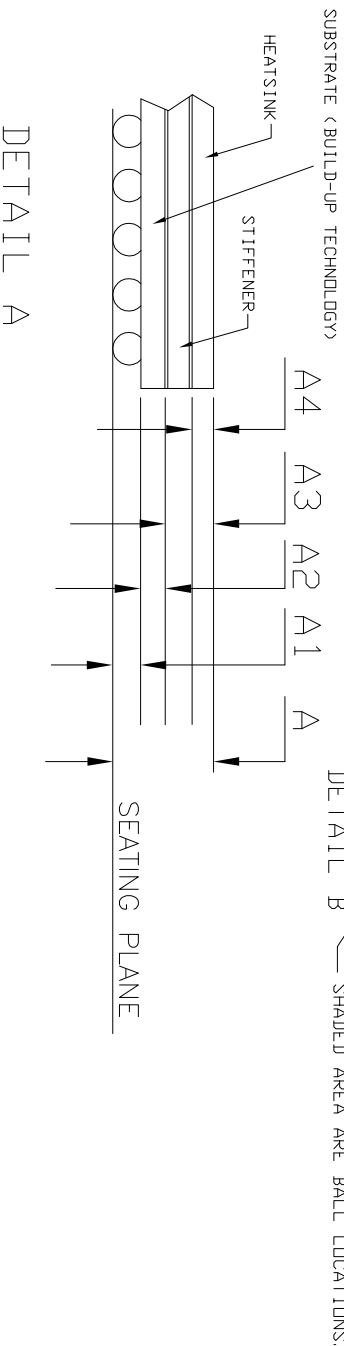
38 36 34 32 30 28 26 24 22 20 18 16 14 12 10 8 6 4 2
39 37 35 33 31 29 27 25 23 21 19 17 15 13 11 9 7 5 3 1

1397-BALL 40X40mm HFCBGA JEDEC MS-034 VARIATION AAU-1						
SYMBOLS	DIMENSIONS IN MM (Control Unit)			DIMENSIONS IN INCH (Reference Unit)		
	MIN	NOM	MAX	MIN	NOM	MAX
A	—	—	3.23	—	—	0.127
A1	0.40	0.50	0.60	0.016	0.020	0.024
A2	1.012	1.122	1.232	0.040	0.044	0.049
A3	—	1.40	—	—	0.055	—
A4	0.475	0.500	0.525	0.019	0.020	0.021
D	39.80	40.00	40.20	1.567	1.575	1.583
D1	—	38.00	BSC	—	1.496	BSC
E	39.80	40.00	40.20	1.567	1.575	1.583
E1	—	38.00	BSC	—	1.496	BSC
b	0.62	0.67	0.72	0.024	0.026	0.028
e	—	1.00	BSC	—	0.039	BSC
M	—	39	—	—	39	—
N	—	1397	—	—	1397	—

NOTES:

1. "M" REPRESENTS THE SOLDER BALL MATRIX SIZE.

2. 45 DEG. 1.5MM CHAMFER CORNER FOR PIN 1 IDENTIFICATION ON METAL HEATSINK.



SUBSTRATE <BUILD-UP TECHNOLOGY>

HEATSINK

STIFFENER

A4

A3

A2

A1

A


DETAIL B

SHADED AREA ARE BALL LOCATIONS.

∅b (N X PLACES)

SEATING PLANE

DETAIL A

		EXAR CORPORATION	
Packaging Approval:		1397-BALL 40X40mm HFCBGA PACKAGE OUTLINE	
Drawing No: 1397-BALL 40X40mm fchBGA		Revision: C	
By: PC	Date: 02/08/10	Revision: C	Sheet: 1 OF 1