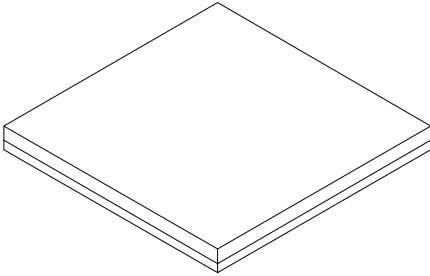


8	7	6	5	4	3	2	1					
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						00	INITIAL RELEASE PER DCN C05662	03/12/99	B.B.	L.J.M.		
E											E	
D											D	
C											C	
B											B	
A											A	
7. REFERENCE SPECIFICATIONS: A. AAWW SPEC #001-0531-2234: PACKING OPERATION PROCEDURE. B. AAWW SPEC #001-0519-2062: MARKING.												
6. PRIMARY DATUM Z AND SEATING PLANE ARE DEFINED BY THE SPHERICAL CROWNS OF THE SOLDER BALLS.												
5. DIMENSION IS MEASURED AT THE MAXIMUM SOLDER BALL DIAMETER, PARALLEL TO PRIMARY DATUM Z.												
4. THE MAXIMUM ALLOWABLE NUMBER OF SOLDER BALLS IS 208.												
3. THE MAXIMUM SOLDER BALL MATRIX SIZE IS 17 X 17.												
2. THE BASIC SOLDER BALL GRID PITCH IS 0.80.												
1. ALL DIMENSIONS AND TOLERANCES CONFORM TO ASME Y14.5M-1994.												
NOTES: UNLESS OTHERWISE SPECIFIED												
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS DECIMAL XX ± 0.10 X.XX ± 0.05 X.XXX ± 0.03 ANGULAR ± 1°						PROJECTION 		ANAM Industrial Co., LTD. Sungdong-Ku, Seoul, Korea			AMKOR Electronics Inc. Chandler, Arizona, USA	
MATERIAL N/A						APPROVALS DESIGN L. MACKBY CHECKED J. MICKSCH ENGINEER T. PANCZAK RELEASED G. SCHULTZ		DATE 02/26/99 02/26/99 02/26/99 03/12/99		TITLE PACKAGE OUTLINE - CABGA 208, 16.00mm X 16.00mm, 2 LAYER, 0.80mm PITCH, LAMINATE SUBSTRATE, AAP		
FINISH N/A						SHIP DATE NUMBER/REV N/A		SHIP DATE NUMBER/REV N/A		REV 75149 00		
DO NOT SCALE DRAWING								SCALE: 8:1		SHEET 1 OF 3		
8	7	6	5	4	3	2	1					
ZP00004 REV B												

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TOP VIEW

A1 BALL PAD CORNER

15.00

16.00

0.10 4X

0.12 Z

0.10 Z

0.36 ± 0.05

0.70 ± 0.05

0.15 Z X Y

0.08 Z

0.46 TYP

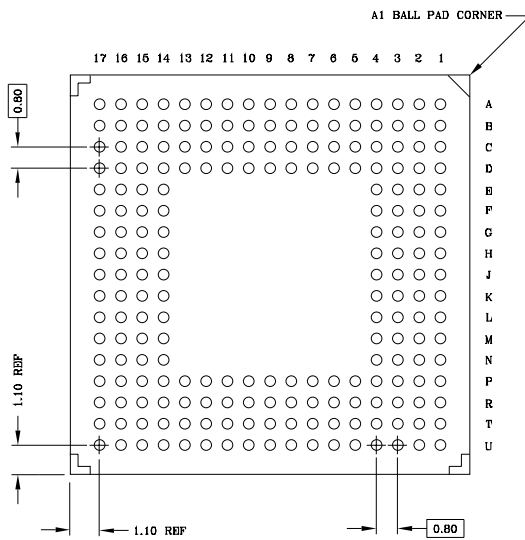
SEATING PLANE

SCALE 8:1

SHEET 2 OF 3

SIZE B DWG. NUMBER 75149 REV. 00

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BOTTOM VIEW
(208 SOLDER BALLS)

SHEET	DWG. NUMBER	REV.
B	75149	00
SCALE 8:1		SHEET 3 OF 3