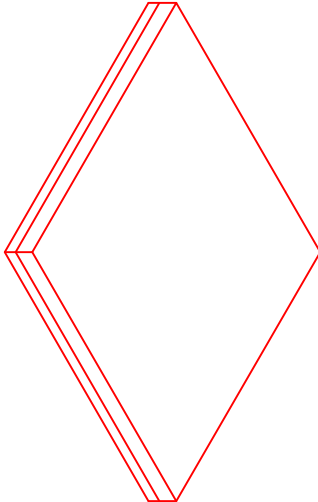


THE DRAWING AND INFORMATION CONTAINED HEREIN ARE THE EXCLUSIVE PROPERTY OF AMKOR/ANAL. THE INFORMATION IN THIS DRAWING AND DESIGN CONCEPTS CONTAINED HEREIN ARE CONFIDENTIAL/PROPRIETARY, SHALL BE MAINTAINED IN STRICT CONFIDENCE, AND SHALL NOT BE RELEASED TO ANY THIRD PARTY WITHOUT THE EXPRESS WRITTEN PERMISSION OF AMKOR/ANAL.

REV.	DESCRIPTION	DATE	CHECKED	DESIGNED BY
00	INITIAL RELEASE PER DCN 006611	04/19/99	E.B.	HLE



7. REFERENCE SPECIFICATIONS:
A. AAPW SPEC #001-0691-2294: PACKING OPERATION PROCEDURE.
B. AAPW SPEC #001-0619-2062: MARKING.



PRIMARY DATUM Z AND SEATING PLANE ARE DEFINED BY THE SPHERICAL CROWNS OF THE SOLDER BALLS.



DIMENSION IS MEASURED AT THE MAXIMUM SOLDER BALL DIAMETER, PARALLEL TO PRIMARY DATUM Z.

4. THE MAXIMUM ALLOWABLE NUMBER OF SOLDER BUMPS IS 64.
3. THE MAXIMUM SOLDER BALL MATRIX SIZE IS 8 X 8.
2. THE BASIC SOLDER BUMP GRID PITCH IS 0.80mm.
1. ALL DIMENSIONS AND TOLERANCES CONFORM TO ANSI Y14.5M-1994.
- NOTES: UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS			DIMENSIONS ARE IN MILLIMETERS		DIMENSIONS ARE IN MILLIMETERS		DIMENSIONS ARE IN MILLIMETERS		DIMENSIONS ARE IN MILLIMETERS	
DECIMAL			ANGULAR		SOLDER		SOLDER		SOLDER	
X.XX ±0.10			X.XX ±0.05		X.XX ±0.03		X.XX ±0.03		X.XX ±0.03	
N/A			N/A		N/A		N/A		N/A	
N/A			N/A		N/A		N/A		N/A	
DO NOT SCALE DRAWING			DO NOT SCALE DRAWING		DO NOT SCALE DRAWING		DO NOT SCALE DRAWING		DO NOT SCALE DRAWING	

PRODUCTION		APPROVALS		DATE		TIME		DATE		TIME	
DRAWN		L. MACKER		06/19/99		8:00am		06/19/99		8:00am	
CHECKED		J. MACKER		06/19/99		8:00am		06/19/99		8:00am	
NOTED		T. PANCHAL		06/19/99		8:00am		06/19/99		8:00am	
RELEASED		D. SCHULTZ		06/19/99		8:00am		06/19/99		8:00am	

DATE: Industrial Co., Ltd. Shanghai-601, South Korea		AMKOR Electronics, Inc. Camden, Arizona, USA	
PACKAGE OUTLINE - CTBGA 64, 8.00mm X 8.00mm, 2 LAYER, 0.80mm PITCH, LAMINATE SUBSTRATE, AAP		DATE: 06/19/99	
REV: B		REV: 76262	
DATE: 06/19/99		DATE: 06/19/99	
N/A		N/A	
N/A		N/A	
SCALE: 8:1		SHEET 1 OF 3	