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REVISION HISTORY						
REV	DCN NUMBER	DESCRIPTION	ORIGINATOR	DATABASE FILE NAME	GERBER FILE NAME	INCORPORATOR
12	A52278	ADDED 256, 272 BALL MATRIX	PARKNS	N/A	N/A	PARKNS
13	C13490	ADDED 284 BALL MATRIX	DARNO	N/A	N/A	DARNO
14	C13553	ADDED 300-2, 316, 336-2, 356 MATRIX	DARNO	N/A	N/A	DARNO
15	C13840	ADDED TEPBGA-2 PACKAGE	DARNO	N/A	N/A	DARNO
16	C17743	CAP TOLERANCE WAS 24.00 +0.70/-0.05 AVAILABLE MARKING AREA WAS 17.8 ADDED 348-2 BALL MATRIX	MMCEL	N/A	N/A	MMCEL

F

E

D

C

B

A

8.

REFERENCE SPECIFICATIONS:

A. AAWW SPEC #001-0531-2234: PACKING OPERATION PROCEDURE.

B. AAWW SPEC #001-0519-2062: MARKING.

C. THIS DRAWING CONFORMS TO THE JEDEC REGISTERED OUTLINE MS-034/A VARIATION BAL-2.



A1 BALL PAD CORNER I.D. FOR PLATE MOLD: TO BE MARKED BY INK.
AUTO MOLD: DIMPLE TO BE FORMED BY MOLD CAP.



PRIMARY DATUM C 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 C.

4.

THE MAXIMUM ALLOWABLE NUMBER OF SOLDER BALLS IS 400.

3.

THE MAXIMUM SOLDER BALL MATRIX SIZE IS 20 X 20.

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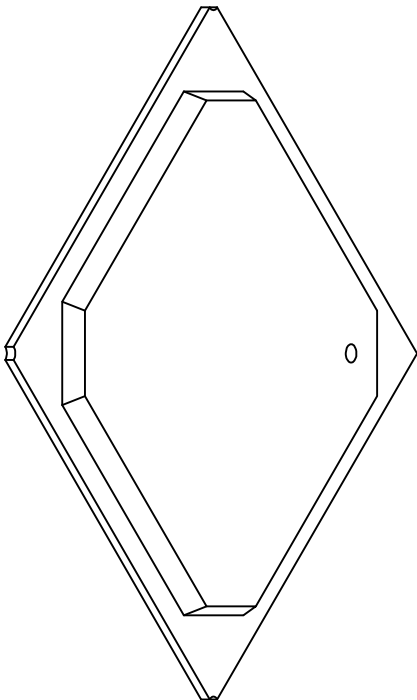
THE BASIC SOLDER BALL GRID PITCH IS 1.27mm.

1.

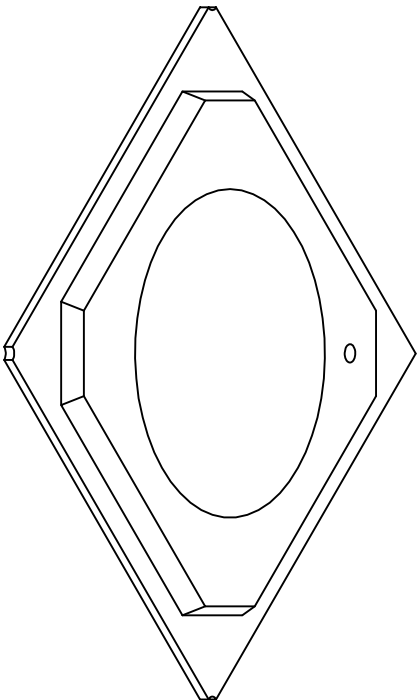
ALL DIMENSIONS AND TOLERANCES CONFORM TO ASME Y14.5M-1994.

NOTES: UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		THIRD ANGLE PROJECTION		Anchor Technology, Inc. Chandler, Arizona, USA Anam Semiconductor, Inc., Seoul, Korea Anchor Technology Philippines, Inc. Manila, Philippines			
DECIMAL X.X ±0.1 X.XX ±0.05 X.XXX ±0.030	ANGULAR ±1°	APPROVALS	DATE				
INTERPRET DIM AND TOL PER ASME Y14.5M - 1994		DESIGNED A. WHEELER	04/25/97				
MATERIAL SEE CROSS SECTION		CHECKED D. ARNOLD	04/25/97				
FINISH SEE NOTE 1		PRODUCT MANAGER B. GOGUE	04/25/97				
DO NOT SCALE DRAWING		RELEASED Y.M. KANG	08/22/97	TITLE PACKAGE OUTLINE - PBGA CUSTOM, 20 X 20 MATRIX, 27.00mm X 27.00mm, 24.00mm X 24.00mm X 1.17mm MOLD CAP, 1.27mm PITCH, LAMINATE SUBSTRATE, AWW	SIZE A3	SID NUMBER N/A	REV 16
		STRIP DWG NUMBER/REV N/A	PKG OUTLINE DWG NO. N/A	SCALE NONE	DWG NUMBER 72354	SHEET 1 OF 12	



PBGA
TEPBGA



TEPBGA-2

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