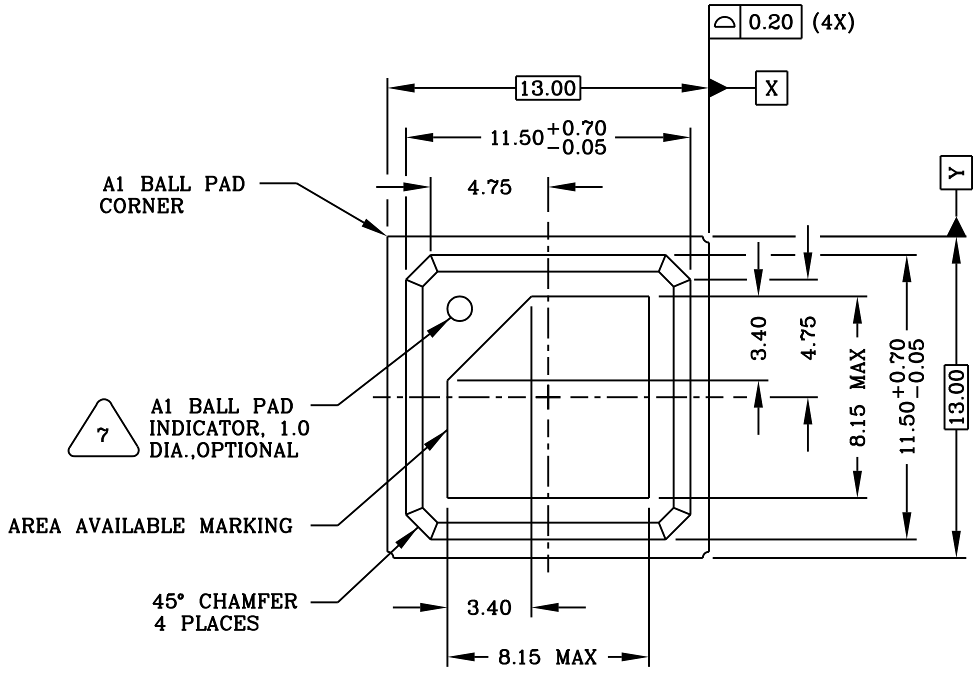
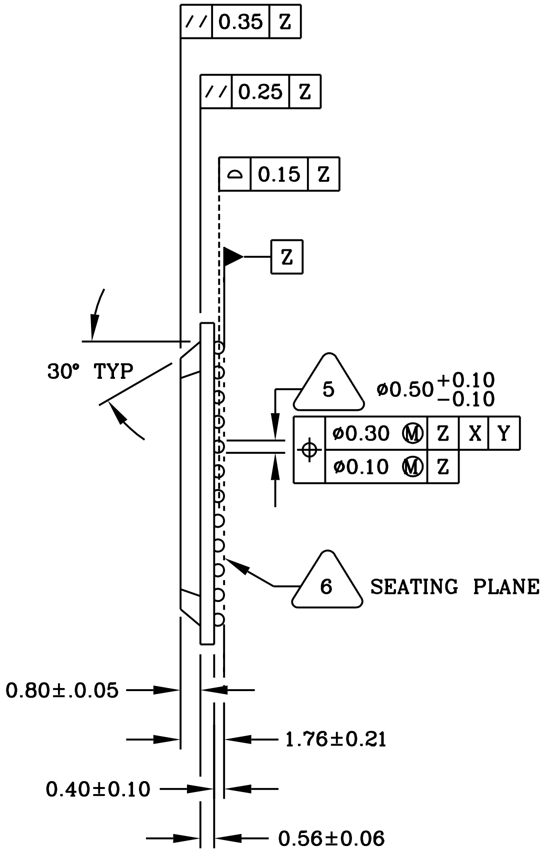
REVISIONS				
DCN	REV	DESCRIPTION	DATE	APPROVED
	01	ADD "GREEN" BBG NOMENCLATURE	10/19/04	TU VU



TOP VIEW



SIDE VIEW

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MILLIMETERS
DECIMAL
X.X ±0.10
X.XX ±0.05
X.XXX ±0.03
ANGULAR
±1°

IDT™ Integrated Device Technology, Inc.
www.IDT.com
2975 Stender Way, Santa Clara, CA 95054
(408) 727-6116 FAX (408) 492-8074

APPROVALS	DATE
DRAWN PKP	07/13/00
CHECKED	

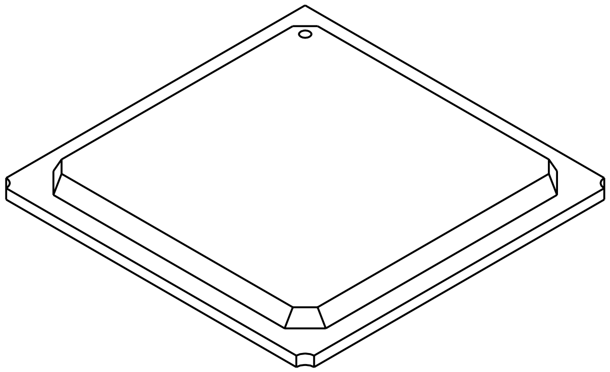
TITLE:
BB/BBG 144 PACKAGE OUTLINE
13.0 X 13.0 mm BODY PBGA

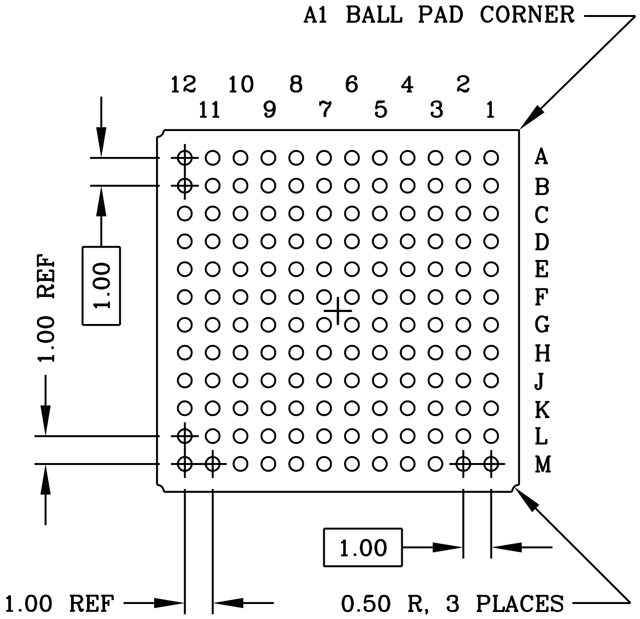
DRAWING No.	SIZE	SCALE	REV
PSC−4094	C	N/A	01

DO NOT SCALE DRAWING

SHEET 1 OF 3

REVISIONS				
DCN	REV	DESCRIPTION	DATE	APPROVED
	01	ADD "GREEN" BBG NOMENCLATURE	10/19/04	TU VU





BOTTOM VIEW
(144 SOLDER BALLS)

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 MO-151/B, VARIATION AAE-1 FOR 1.00mm PITCH AND VARIATION BAE-1 FOR 1.27mm PITCH.

⑦ A1 BALL PAD CORNER I.D. FOR PLATE MOLD: TO BE MARKED BY INK.
AUTO MOLD: DIMPLE TO BE FORMED BY MOLD CAP.

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 144.

3. THE MAXIMUM SOLDER BALL MATRIX SIZE IS 12 X 12.

2. THE BASIC SOLDER BALL GRID PITCH IS 1.00mm.

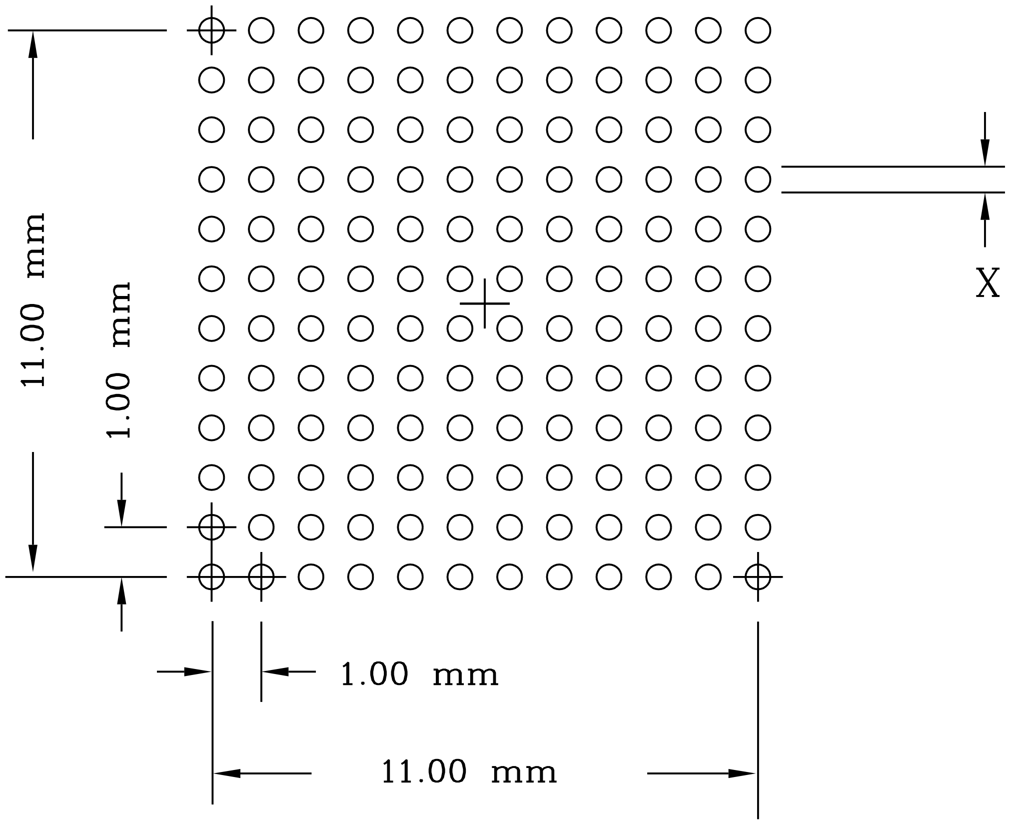
1. ALL DIMENSIONS AND TOLERANCES CONFORM TO ASME Y14.5M-1994.

NOTES: UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS DECIMAL X.X ±0.10 X.XX ±0.05 X.XXX ±0.03 ANGULAR ±1°		IDT Integrated Device Technology, Inc. www.IDT.com 2975 Stender Way, Santa Clara, CA 95054 (408) 727-6116 FAX (408) 492-8074			
APPROVALS	DATE	TITLE: BB/BBG 144 PACKAGE OUTLINE 13.0 X 13.0 mm BODY PBGA			
DRAWN PKP	07/13/00				
CHECKED					
		DRAWING No. PSC-4094	SIZE C	SCALE N/A	REV 01
		DO NOT SCALE DRAWING		SHEET 2 OF 3	

REVISIONS				
DCN	REV	DESCRIPTION	DATE	APPROVED
	01	ADD "GREEN" BBG NOMENCLATURE	10/19/04	TU VU

LAND PATTERN DIMENSIONS



SYMBOL	MIN	NOM	MAX
X	.35	.40	.45

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MILLIMETERS
DECIMAL
X.X ±0.10
X.XX ±0.05
X.XXX ±0.03
ANGULAR
±1°

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DATE

BB/BBG 144 PACKAGE OUTLINE
13.0 X 13.0 mm BODY PBGA

DRAWING No.	SIZE	SCALE	REV
PSC-4094	C	N/A	01

DO NOT SCALE DRAWING

SHEET 3 OF 3