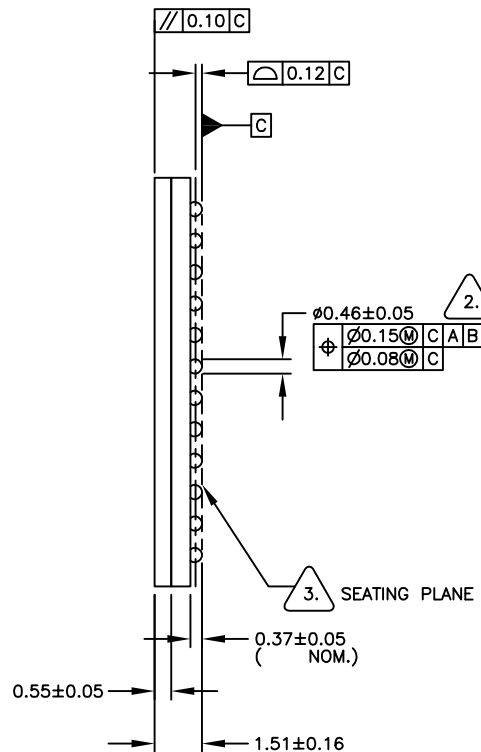
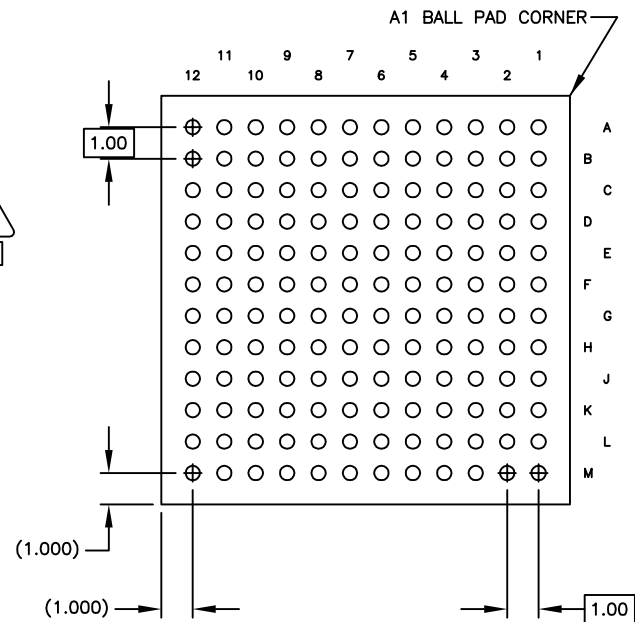


TOP VIEW



SIDE VIEW


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	02/08/13	CM
01	CHANGE TOTAL PACKAGE THICKNESS, SOLDER BALL DIMENSIONING	10/04/13	CK LEE
02	ADD MISSING DIMENSION ON MOLD CAP	2/3/14	CK LEE
03	CHANGE MOLD CAP THICKNESS FROM 0.53MM TO 0.55MM	4/1/14	CK LEE



BOTTOM VIEW

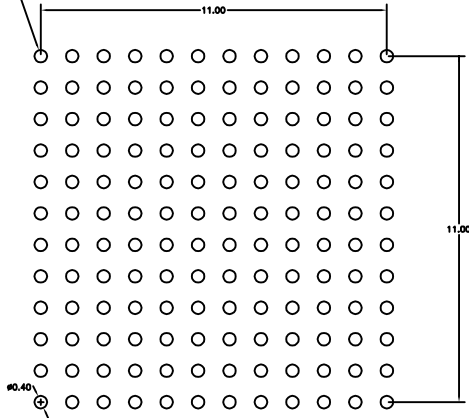
NOTES: UNLESS OTHERWISE SPECIFIED

1. ALL DIMENSIONS AND TOLERANCES CONFORM TO ASME Y14.5M-1994.
2. DIMENSION IS MEASURED AT THE MAXIMUM SOLDER BALL DIAMETER, PARALLEL TO PRIMARY DATUM C.
3. PRIMARY DATUM C AND SEATING PLANE ARE DEFINED BY THE SPHERICAL CROWNS OF THE SOLDER BALLS.
4. "A1" ID CORNER MUST BE IDENTIFIED. IDENTIFICATION MAY BE BY MEANS OF CHAMFER, METALLIZED OR INK MARK, INDENTATION OR OTHER FEATURE OF THE PACKAGE BODY.

TOLERANCES UNLESS SPECIFIED		 6024 Silver Creek Valley Road San Jose, CA 95138 PHONE: (408) 248-8333 FAX: (408) 248-8591 www.IDT.com	TITLE BA/BAG144 PACKAGE OUTLINE 13.0 X 13.0 mm BODY 1.0 mm PITCH CABGA	
DECIMAL	ANGULAR		APPROVALS	DATE
X±0.01		CM	08/29/13	C
XX±0.05				DRAWING No.
XXX±0.03				PSC-4471
				REV
				03
DO NOT SCALE DRAWING				SHEET 1 OF 2

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	08/29/13	CM
01	CHANGE TOTAL PACKAGE THICKNESS, SOLDER BALL DIMENSIONING	10/04/13	CK LEE
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03	CHANGE MOLD CAP THICKNESS FROM 0.53MM TO 0.55MM	4/1/14	CK LEE


A1 BALL PAD CORNER



### RECOMMENDED LAND PATTERN

**NOTE:**

- 1) ALL dimensions are in mm, Angles in degrees.
- 2) Top down view, as view on PCB.
- 3) NSMD Land Pattern Assumed
- 4) Land Pattern Recommendation as per IPC-7351B generic requirement for surface mount design and Land Pattern.

TOLERANCES UNLESS SPECIFIED DECIMAL    ANGULAR X±0.01 XX±0.05 XXX±0.03		 6024 Silver Creek Valley Road San Jose, CA 95138 PHONE: (408) 248-8333 FAX: (408) 248-8591 www.IDT.com	
APPROVALS	DATE	TITLE BA/BAG144 PACKAGE OUTLINE	
DRAWN <i>cm</i>	08/29/13	13.0 X 13.0 mm BODY	
CHECKED		1.0 mm PITCH CABGA	
		SIZE	DRAWING No.
		C	PSC-4471
			REV 03
DO NOT SCALE DRAWING			SHEET 2 OF 2