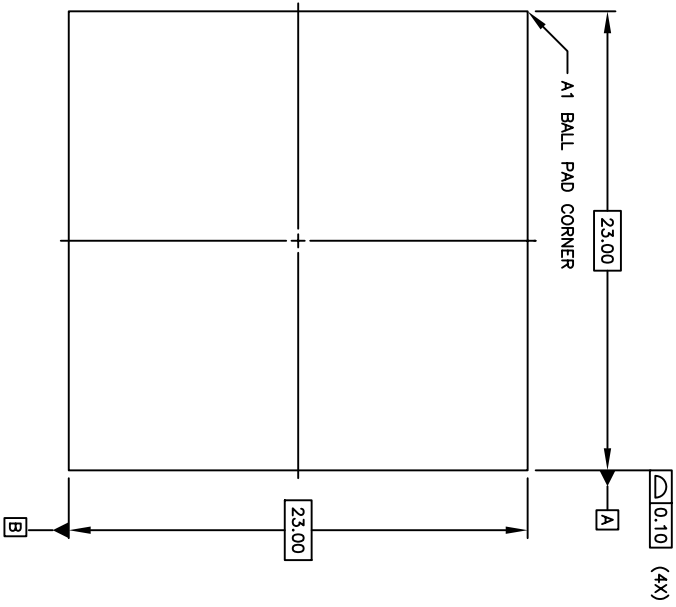
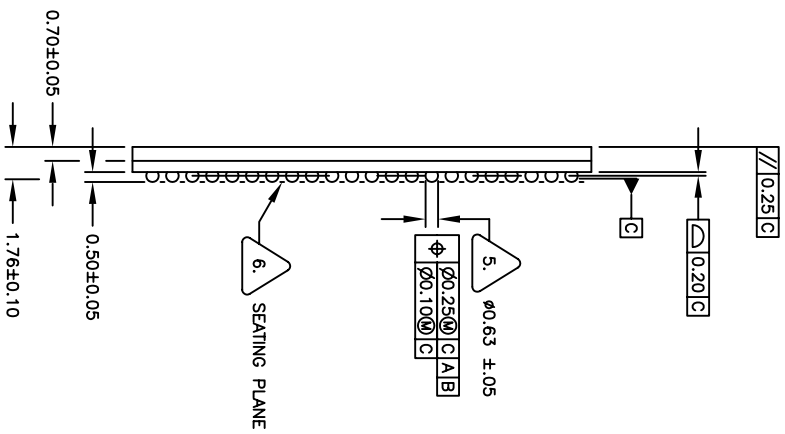


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	08/03/06	DP
01	Add tolerance on ball size	11/05/07	DP
02	COMBINE POD & LAND PATTERN	05/15/13	RC



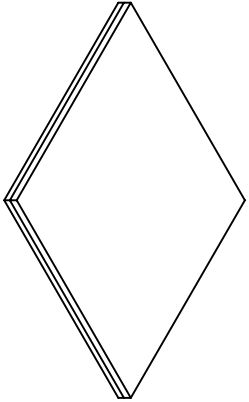
TOP VIEW



SIDE VIEW

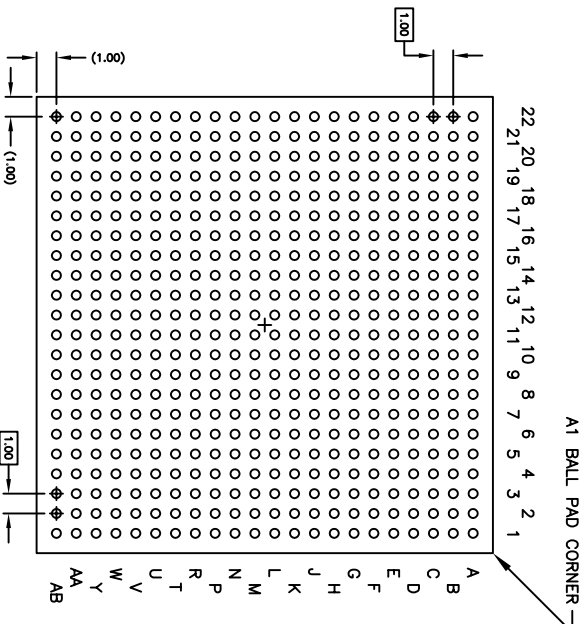
TOLERANCES UNLESS SPECIFIED		6024 Silver Creek Valley Road	
DECIMAL	ANGULAR	San Jose, CA 95138	
XX±		PHONE: (408) 284-8200	
XXX±		FAX: (408) 284-8591	
APPROVALS		www.IDT.com	
DATE		TITLE BC/BCG484 PACKAGE OUTLINE	
08/03/06		23.0 x 23.0 mm BODY	
DRAWN	DATE	1.0 mm PITCH CABGA	
gpp	08/03/06		
CHECKED			
SIZE	DRAWING No.	REV	
C	PSC-4198	02	
DO NOT SCALE DRAWING		SHEET	1 OF 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	08/03/06	DP
01	Add tolerance on ball size	11/05/07	DP
02	COMBINE PAD & LAND PATTERN	05/15/13	RC



NOTES: UNLESS OTHERWISE SPECIFIED

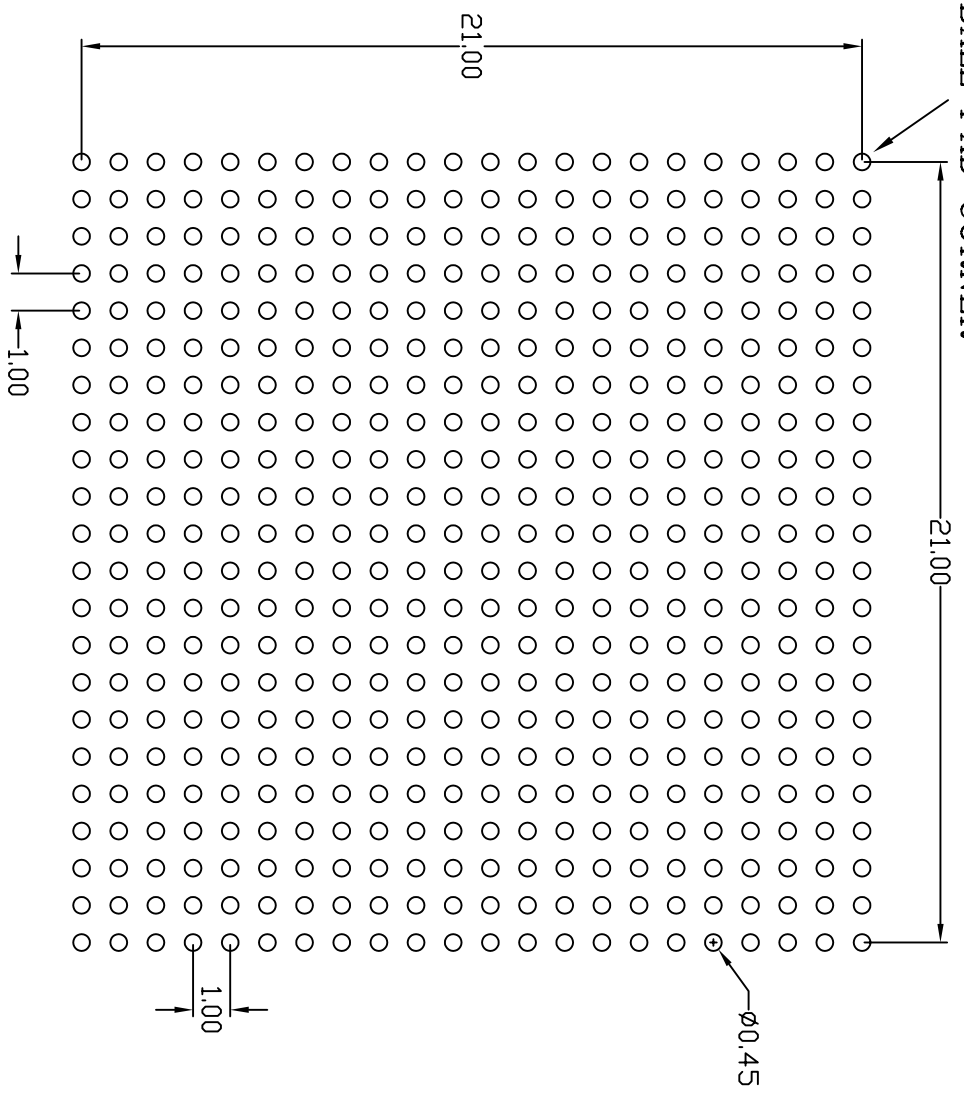
1. ALL DIMENSIONS AND TOLERANCES CONFORM TO ASME Y14.5M-1994.
2. THE BASIC SOLDER BALL GRID PITCH IS 1.00mm.
3. THE MAXIMUM SOLDER BALL MATRIX SIZE IS 22 X 22.
4. THE MAXIMUM ALLOWABLE NUMBER OF SOLDER BALLS IS 484.
5. DIMENSION IS MEASURED AT THE MAXIMUM SOLDER BALL DIAMETER, PARALLEL TO PRIMARY DATUM C.
6. PRIMARY DATUM C AND SEATING PLANE ARE DEFINED BY THE SPHERICAL CROWNS OF THE SOLDER BALLS.
7. "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.
8. THIS DRAWING CONFORMS TO THE JEDEC REGISTERED OUTLINE MS-034/A, VARIATION AAG-1 EXCEPT FOR A1, b, AND ϕ DIMENSIONS.



BOTTOM VIEW
484 SOLDER BALLS

TOLERANCES UNLESS SPECIFIED	ANGULAR		6024 Silver Creek Valley Road San Jose CA, 95138 PHONE: (408) 284-8200 FAX: (408) 284-8891
DECIMAL	XXX#		
APPROVALS	DATE	TITLE	SIZE
DRAWN <i>BP</i>	08/03/06	BC/BCG484 PACKAGE OUTLINE	23.0 x 23.0 mm BODY
CHECKED		1.0 mm PITCH CARGA	
		DRAWING No.	PSC-4198
		DO NOT SCALE DRAWING	REV 02
			SHEET 2 OF 3

"A1" BALL PAD CORNER



RECOMMENDED LAND PATTERN DIMENSION (mm)

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	4/23/12	DP
01	ADD TOLERANCE ON BALL SIZE	11/05/07	DP
02	COMBINE PAD & LAND PATTERN	5/15/13	RC

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		DECIMAL XX.XX		ANGULAR X.X	
DRAWN <i>g/p</i>		DATE		1/17/12	
CHECKED		APPROVALS			
DRAWING No.		BC/BCG484 PACKAGE OUTLINE		P3.0 x 53.0 mm BODY CABGA	
DRAWING No.		PSC-4198		SIZE SCALE REV	
DD NOT SCALE DRAWING		SHEET 3		DF 3	

IDT 6024 SILVER CREEK VALLEY ROAD
 San Jose, CA 95138
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