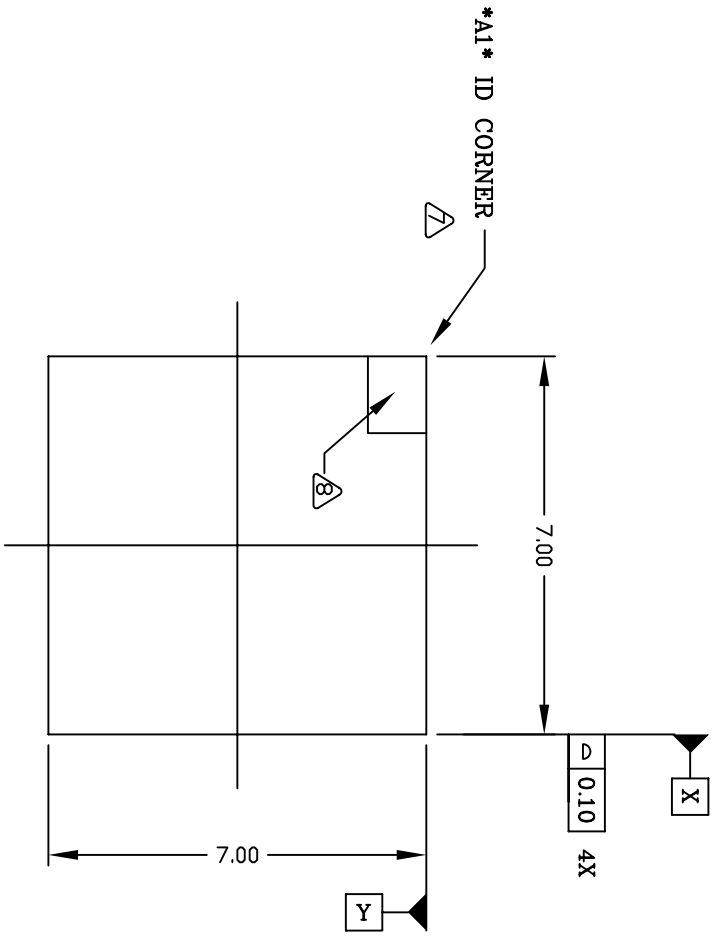
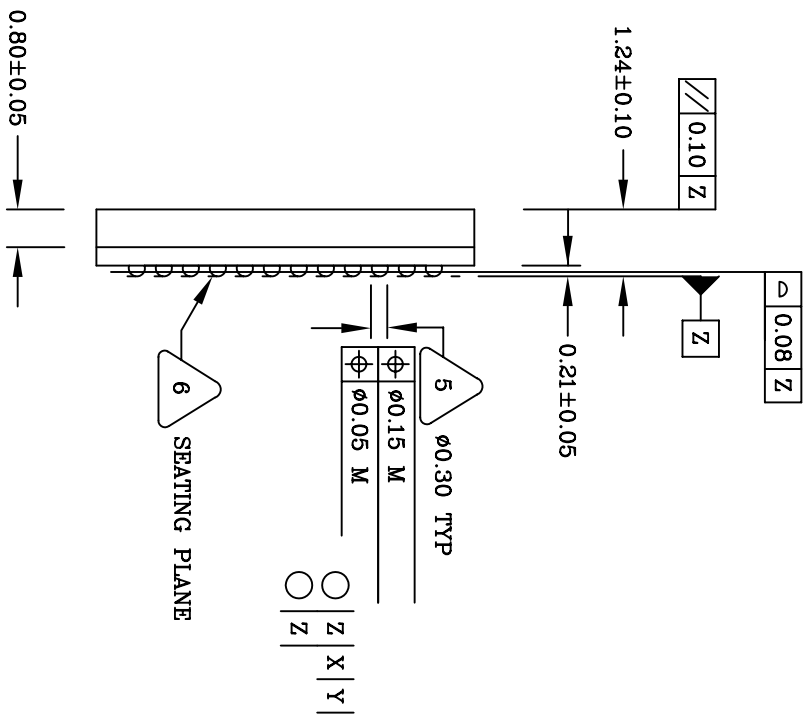


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	12/08/03	TU VU
01	COMBINE PDD & LAND PATTERN	4/17/13	RC



TOP VIEW



SIDE VIEW

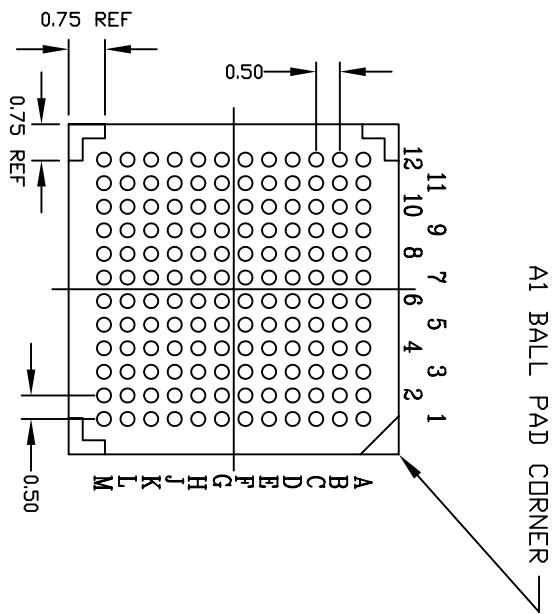
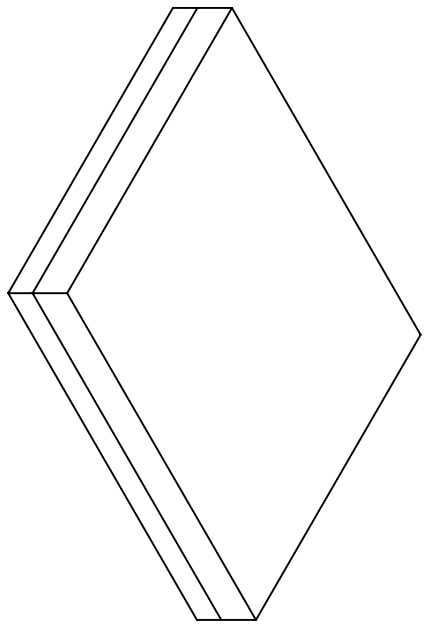
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MILLIMETERS
DECIMAL ANGULAR
XX ±0.10
XXX ±0.05
XXXX ±0.05

IDT
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San Jose CA 95138
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FAX: (408) 284-8691
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APPROVALS DATE
DRAWN 02 12/01/03
CHECKED
BZ 144 PACKAGE OUTLINE
7.0 X 7.0 mm BODY CABGA
0.5 mm Ball Pitch

DRAWING No.	PSC-4125	SIZE	C	SCALE	N/A	REV	01
DD NOT SCALE DRAWING							
SHEET 1 OF 3							

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	11/29/01	DX
01	COMBINE PDD & LAND PATTERN	4/17/13	RC



NOTES: UNLESS OTHERWISE SPECIFIED

1. ALL DIMENSIONS AND TOLERANCES CONFORM TO ASME Y14.5M-1994.
2. THE BASIC SOLDER BALL GRID PITCH IS 0.50.
3. THE MAXIMUM SOLDER BALL MATRIX SIZE IS 12 X 12.
4. THE MAXIMUM ALLOWABLE NUMBER OF SOLDER BALLS IS 108.
5. DIMENSION IS MEASURED AT THE MAXIMUM SOLDER BALL DIAMETER, PARALLEL TO PRIMARY DATUM Z.
6. PRIMARY DATUM Z AND SEATING PLANE ARE DEFINED BY THE SPHERICAL CROWNS OF THE SOLDER BALLS.
7. *A1* ID CORNER MUST BE IDENTIFIED BY CHAMFER, INK MARK, METALLIZED MARKING, INDENTATION OR OTHER FEATURE ON PACKAGE BODY.
8. IF "A1" ID CORNER IS ON PACKAGE BODY. IT MUST BE LOCATED WITHIN THE ZONE INDICATED.
9. ALL DIMENSIONS ARE IN MILLIMETERS.

BOTTOM VIEW
(144 SOLDER BALLS)

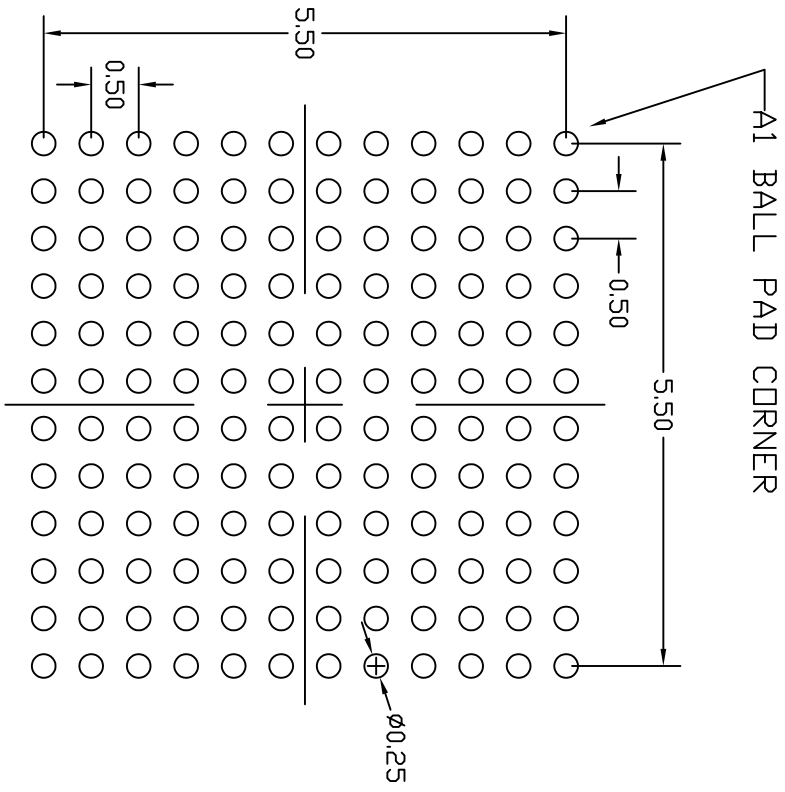
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS	
DECIMAL	XX .X010	ANGULAR	±1°
XXX	±0.05		
XXXX	±0.05		
APPROVALS	DATE	DRAWING No.	
DRAWN <i>gjc</i>	12/03/03	BZ 144 PACKAGE OUTLINE	
CHECKED		7.0 X 7.0 mm BODY CABGA	
		0.5 mm Ball Pitch	
		PSC-4125	
		SIZE	SCALE
		C	N/A
			REV
			01
DDI NDT SCALE DRAWING		SHEET 2 OF 3	



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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	11/29/01	DX
01	COMBINE PDD & LAND PATTERN	4/17/13	RC



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.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS DECIMAL: X.X ±0.10 ANGULAR: X.XXX ±0.05 X.XXX ±0.03		APPROVALS DRAWN: DJC CHECKED:		DATE 12/03/03	 <p>6024 Silver Creek Valley Road San Jose CA 95138 PHONE: (408) 284-8200 FAX: (408) 284-8891</p>
DRAWING No. PSC-4125		BZ 144 PACKAGE OUTLINE 7.0 X 7.0 mm BODY 0.5 mm Ball Pitch		DATE 12/03/03	
DD NDT SCALE DRAWING		SIZE C	SCALE N/A	REV 01	SHEET 3 OF 3