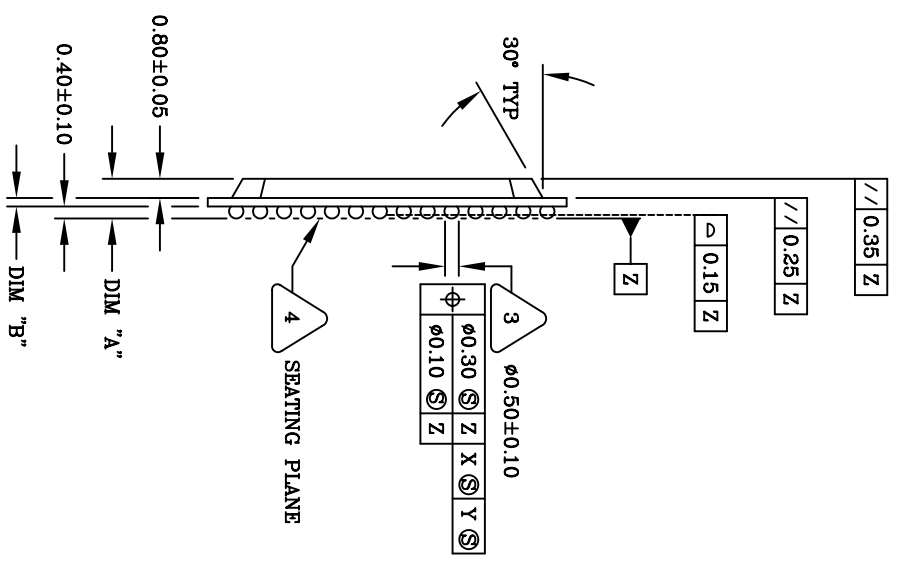
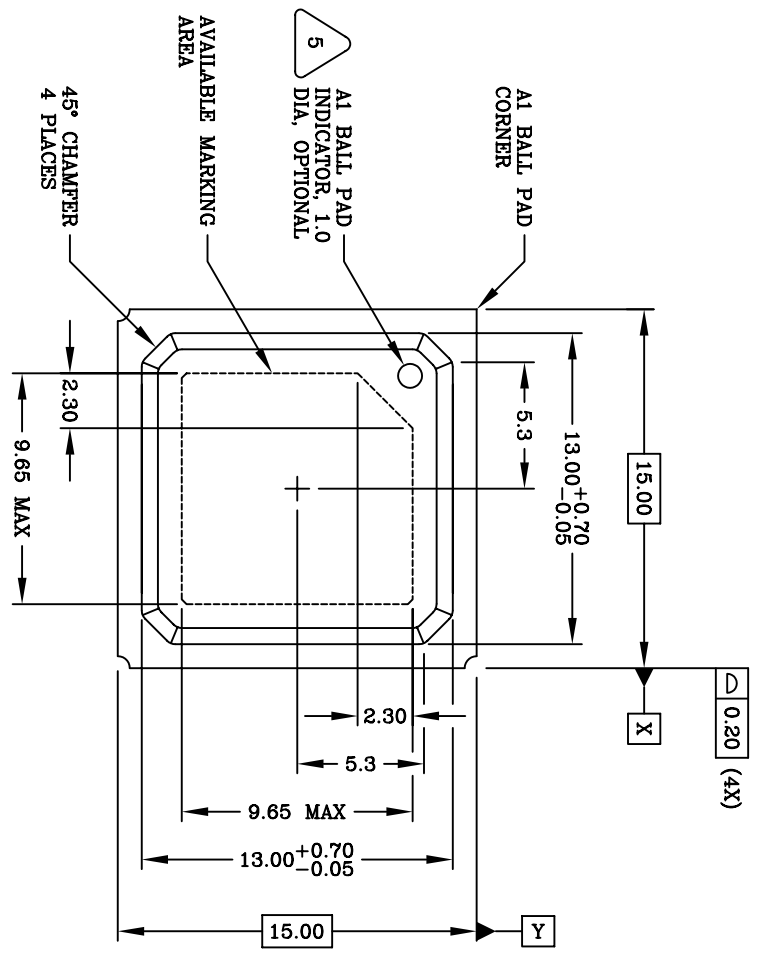


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	03/02/01	TV
01	COMBINE POD & LAND PATTERN	06/05/13	KS



SIDE VIEW

PBGA THICKNESS SCHEDULE			
NO. LAYERS	DIM "A"	DIM "B"	
2	1.56 ^{+0.19} _{-0.21}	0.36 ^{+0.04} _{-0.06}	



TOP VIEW

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS
 DECIMAL, ANGULAR ±1°
 XXX ±0.05
 XXXX ±0.08

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 www.IDT.com

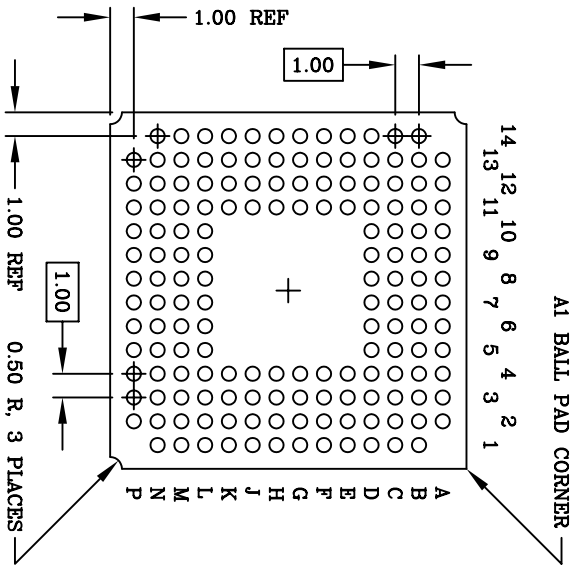
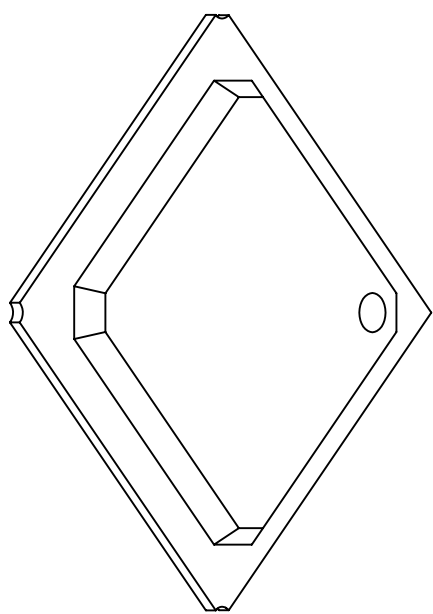
APPROVALS	DATE	DRAWING NO.	SIZE	SCALE	REV
DRAWN <i>fw</i>	03/02/01	PSC-4098	C	N/A	01
CHECKED					

BB156 PACKAGE OUTLINE
 15.0 X 15.0 mm BODY PBGA

DO NOT SCALE DRAWING

SHEET 1 OF 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	03/02/01	TV
01	COMBINE POD & LAND PATTERN	06/05/13	KS



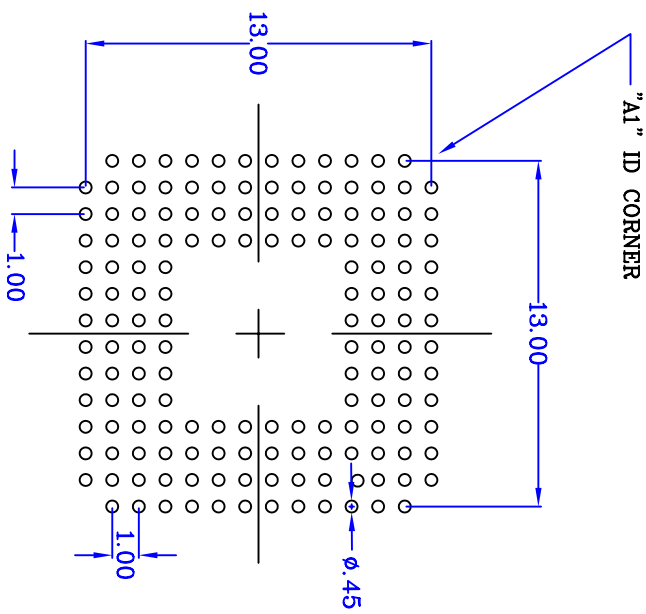
BOTTOM VIEW
(156 SOLDER BALLS)

- 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. DIMENSION IS MEASURED AT THE MAXIMUM SOLDER BALL DIAMETER, PARALLEL TO PRIMARY DATUM Z.
 4. PRIMARY DATUM Z AND SEATING PLANE ARE DEFINED BY THE SPHERICAL CROWNS OF THE SOLDER BALLS.
 5. A1 BALL PAD CORNER I.D. FOR AUTO MOLD: DIMPLE TO BE FORMED BY MOLD CAP.
 6. ALL DIMENSIONS ARE IN MILLIMETERS.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS	
DECIMAL	ANGULAR	DECIMAL	ANGULAR
XX.XX	±0.05	XX.XX	±0.05
XXX.XXX	±0.05	XXX.XXX	±0.05
APPROVALS		DATE	
DRAWN <i>fw</i>		03/02/01	
CHECKED			
DRAWING No.		PSC-4098	
SIZE		SCALE	
C		N/A	
REV		01	
DO NOT SCALE DRAWING			
SHEET 2 OF 3			

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6024 SILVER CREEK VALLEY ROAD SAN JOSE CA, 95138 (408) 284-8200 FAX (408) 284-8591 www.IDT.com		BR156 PACKAGE OUTLINE 15.0 X 15.0 mm BODY PBGA	


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	03/02/01	TV
01	COMBINE POD & LAND PATTERN	06/05/13	KS



RECOMMENDED LAND PATTERN DIMENSION

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 XX.XX ±0.10 XXX ±0.05 XXXX ±0.08		SPECIFIED DIMENSIONS ARE IN MILLIMETERS ANGULAR ±1°	
APPROVALS	DATE	 IDT 6024 SILVER CREEK VALLEY ROAD SAN JOSE CA, 95138 (408) 284-8200 FAX (408) 284-8891 www.IDT.com	
DRAWN <i>fw</i>	03/02/01	BB156 PACKAGE OUTLINE 15.0 X 15.0 mm BODY PBGA	
CHECKED		DRAWING No.	PSC-4098
		SIZE	C
		SCALE	N/A
		REV	01
DO NOT SCALE DRAWING			
		SHEET	3 OF 3