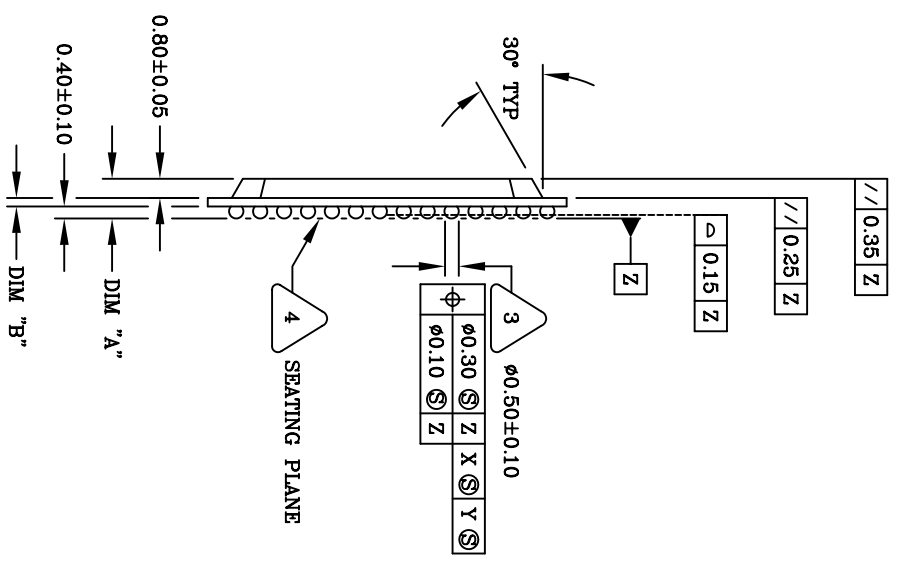
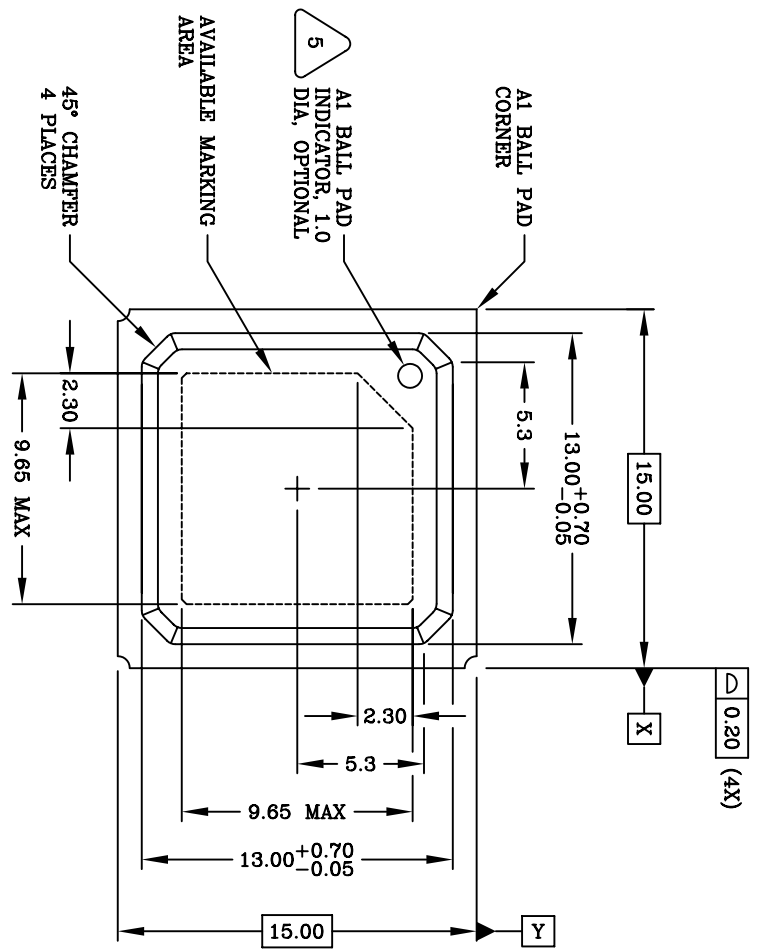


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	03/02/01	TV
01	COMBINE POD & LAND PATTERN	06/05/13	KS



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

ANGULAR ±1°

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DRAWN *fw* 03/02/01
CHECKED

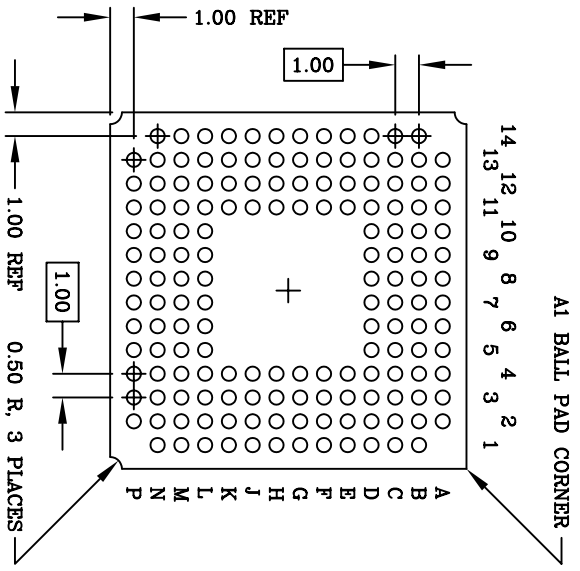
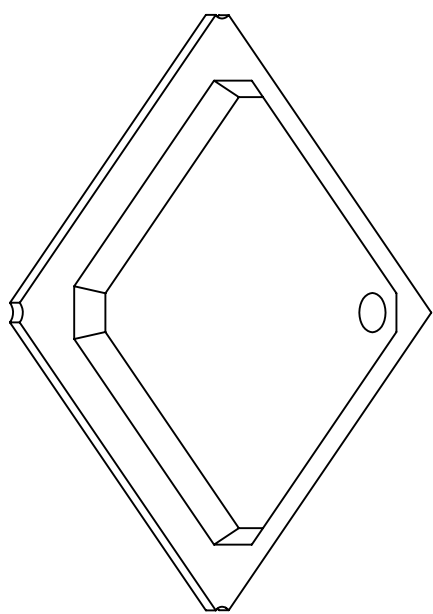
DRAWING NO. PSC-4098
DO NOT SCALE DRAWING

BB156 PACKAGE OUTLINE
15.0 X 15.0 mm BODY PBGA

SIZE SCALE REV
C N/A 01

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

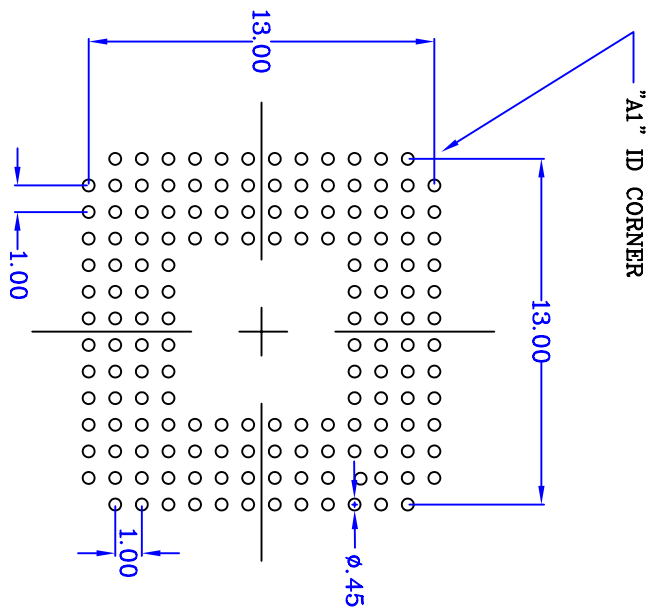


BOTTOM VIEW
(156 SOLDER BALLS)

- 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 .X00	XX.X	XX .X00	XX.X
XXX .X000	XXX.X	XXX .X000	XXX.X
APPROVALS	DATE	www.IDT.com	
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DRAWING No. PSC-4098		BR156 PACKAGE OUTLINE 15.0 X 15.0 mm BODY PBGA	
SIZE	SCALE	REV	
C	N/A	01	
DO NOT SCALE DRAWING			SHEET 2 OF 3

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	DRAWING No.	
DRAWN <i>fw</i>	03/02/01	PSC-4098	
CHECKED		SIZE	SCALE
		C	N/A
			REV
			01
DO NOT SCALE DRAWING			


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