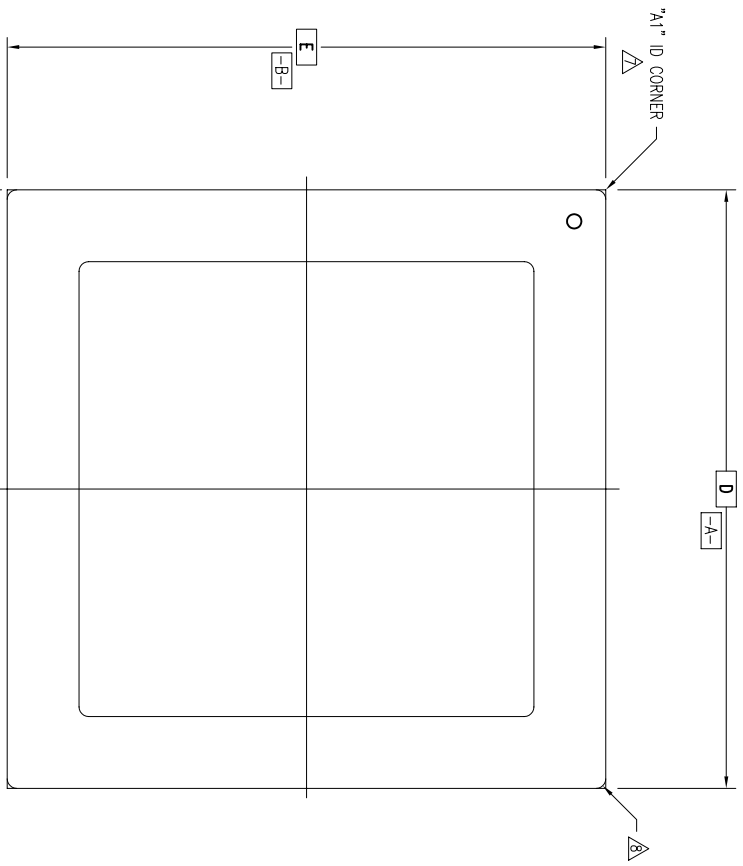
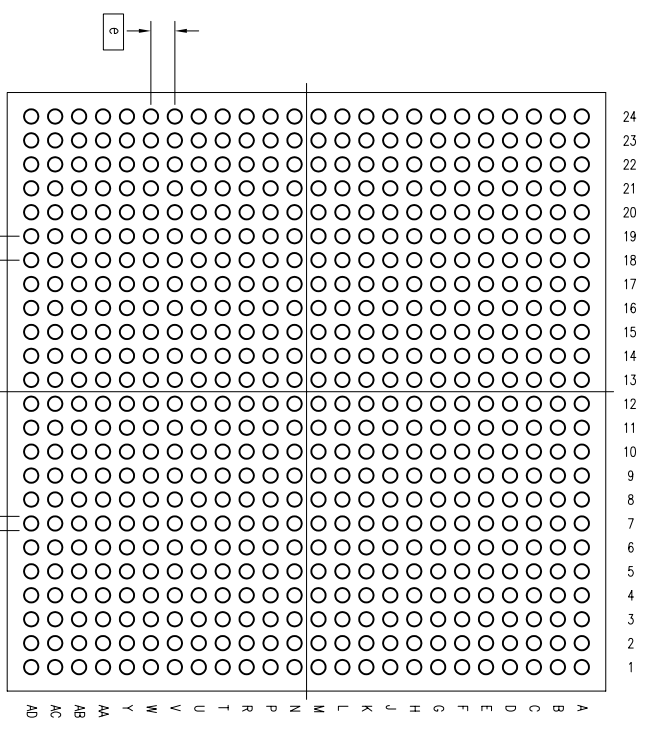
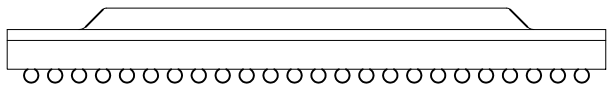


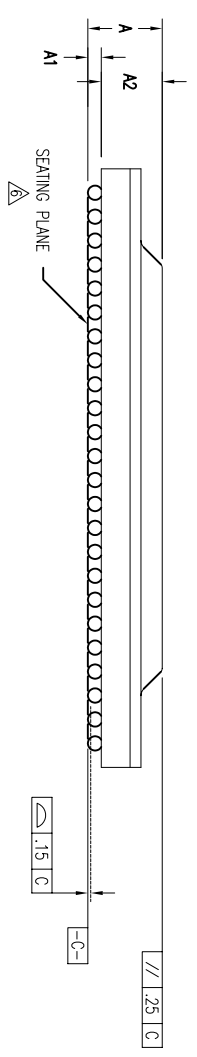
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	04/30/08	TV
01	COMBINE POD & LAND PATTERN	5/31/13	KS



TOP VIEW



BOTTOM VIEW
(BALL SIDE VIEW)

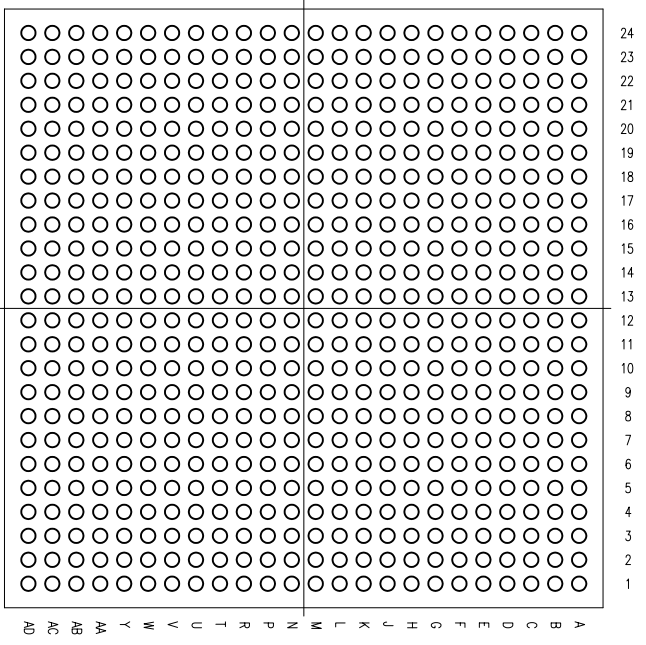


SEATING PLANE

TOLERANCES UNLESS SPECIFIED	
DECIMAL	±
ANGULAR	±
XXX±	
XXXX±	
APPROVALS	DATE
DRAWN 37J	04/30/08
CHECKED	
TITLE	
BL/BR/BLG 576 PACKAGE OUTLINE	
25.0 X 25.0 mm BODY	
1.00 mm BALLPITCH FCBGA	
SIZE	DRAWING No.
C	PSC-4229
DO NOT SCALE DRAWING	SHEET 1 OF 3

IDT 6024 Silver Creek Valley Road
 San Jose, CA 95138
 PHONE: (408) 284-8200
 FAX: (408) 284-8591

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	04/30/08	TV
01	COMBINE POD & LAND PATTERN	5/31/13	KS



BOTTOM VIEW
(BALL SIDE VIEW)

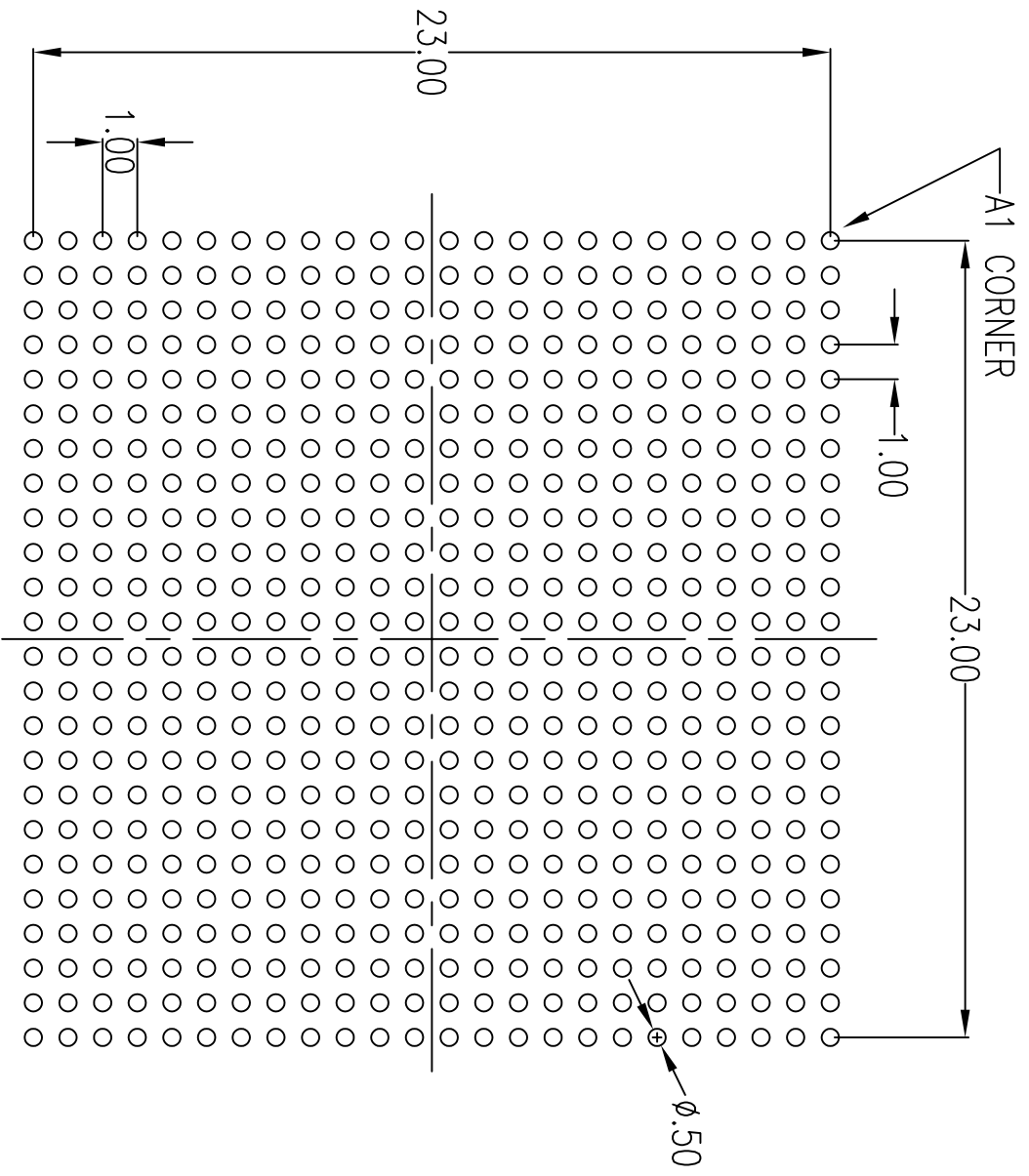
SYMBOL	JEDEC VARIATION			NOTES
	MIN	NOM	MAX	
A	—	—	3.42	
A1	.30	—	—	
A2	2.16	—	2.82	
D	25.00 BSC			
E	25.00 BSC			
M	24			3
N	576			4
e	1.00 BSC			
b	.50	.60	.70	5
CENTER BALL MATRIX	N/A			

NOTES:

- 1 ALL DIMENSIONING AND TOLERANCING CONFORM TO ANSI Y14.5M-1982
- 2 "e" REPRESENTS THE BASIC SOLDER BALL GRID PITCH
- 3 "M" REPRESENTS THE MAXIMUM SOLDER BALL MATRIX SIZE
- 4 "N" REPRESENTS THE BALLCOUNT NUMBER
- 5 DIMENSION "b" IS MEASURED AT THE MAXIMUM SOLDER BALL DIAMETER, PARALLEL TO PRIMARY DATUM ---C---
- 6 SEATING PLANE AND PRIMARY DATUM ---C--- 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 EXACT SHAPE OF EACH CORNER IS OPTIONAL
- 9 ALL DIMENSIONS ARE IN MILLIMETERS

TOLERANCES UNLESS SPECIFIED		6024 Silver Creek Valley Road	
DECIMAL	ANGULAR	San Jose, CA 95138	
±		PHONE: (408) 284-8200	
XXX		FAX: (408) 284-8591	
XXXX		IDT	
XXXXX		www.IDT.com	
APPROVALS	DATE	TITLE	
DRAWN 373	04/30/08	BL/BR/BLG 576 PACKAGE OUTLINE	
CHECKED		25.0 X 25.0 mm BODY	
		1.00 mm BALLPITCH FC89A	
		SIZE	REV
		C	01
DO NOT SCALE DRAWING		PSC-4229	
		SHEET 2 OF 3	


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	04/30/08	TV
01	COMBINE POD & LAND PATTERN	5/31/13	KS



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.

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DECIMAL	ANGULAR	 www.IDT.com	
XXX±	±		
APPROVALS	DATE	TITLE	BL/BR/BLG 576 PACKAGE OUTLINE
DRAWN 37J	04/30/08	SIZE	25.0 X 25.0 mm BODY
CHECKED		DRAWING No.	1.00 mm BALLPITCH FQBCA
		SIZE	C
		DRAWING No.	PSC-4229
		REV	01
DO NOT SCALE DRAWING		SHEET 3 OF 3	