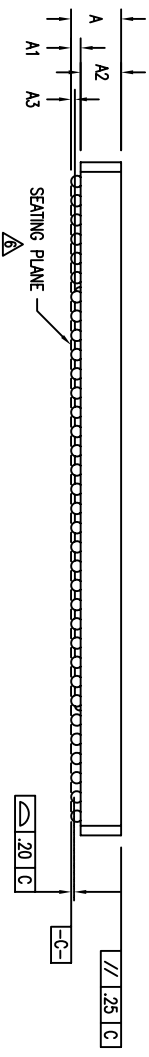
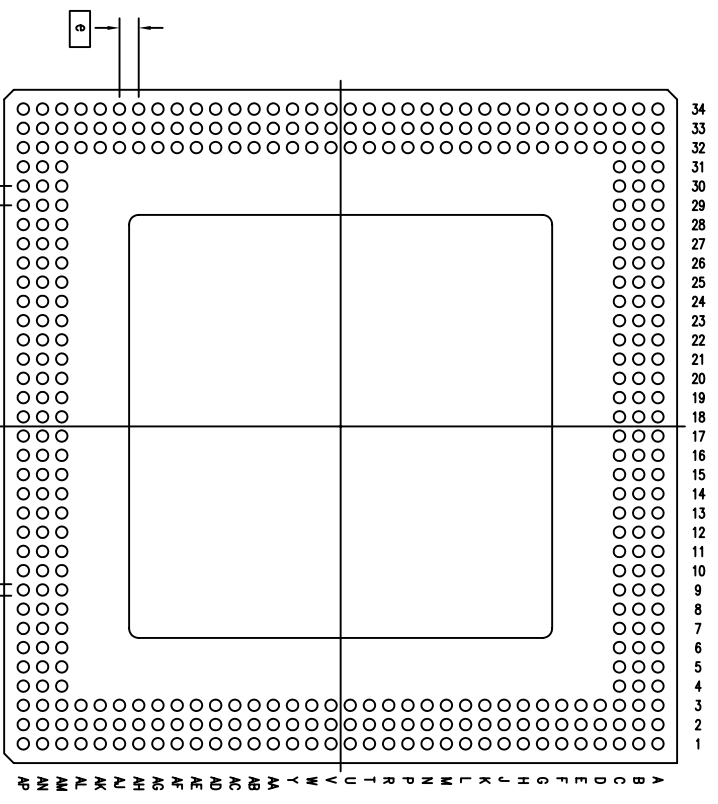
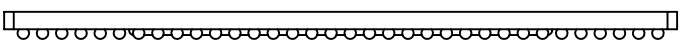
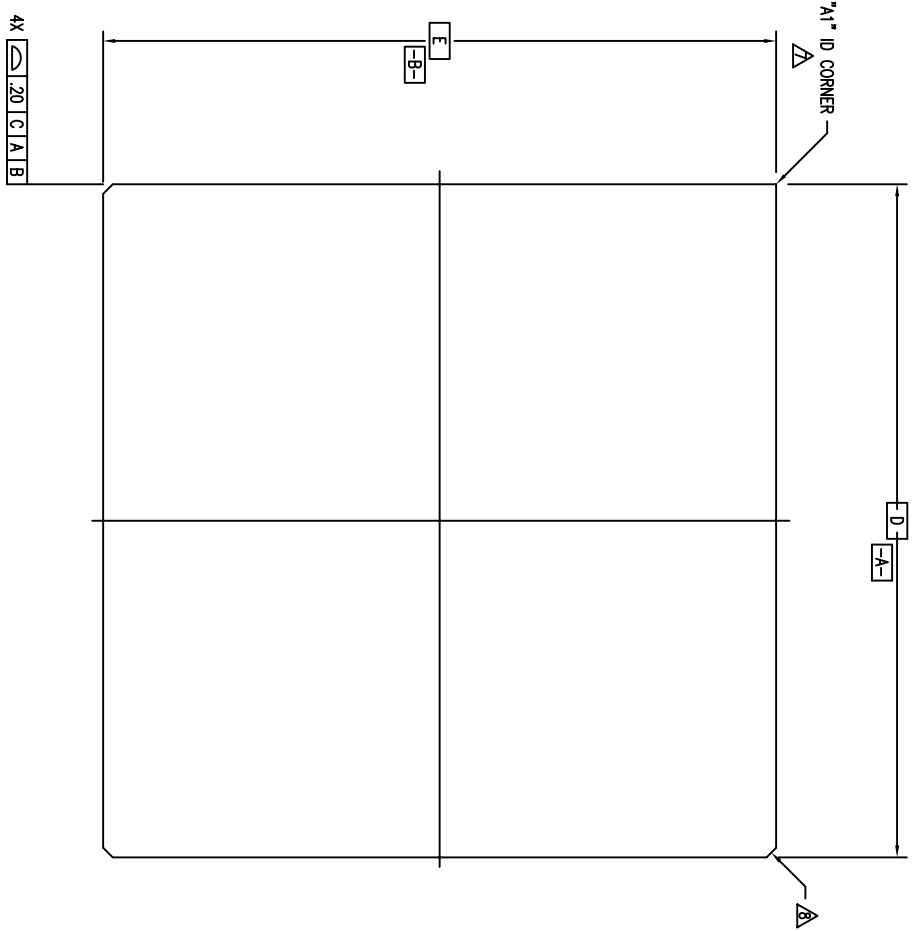
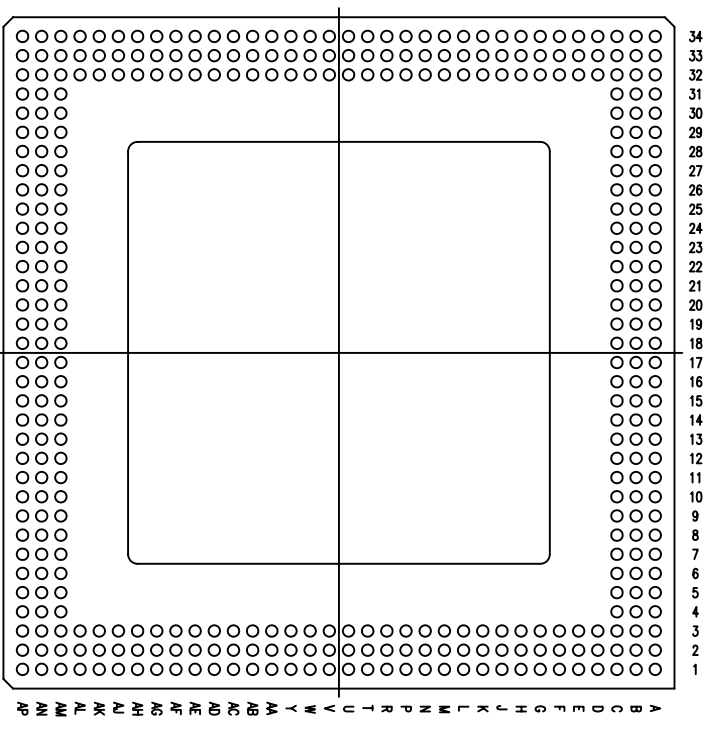


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	06/15/02	Tu Vu
01	COMBINE POD & LAND PATTERN	06/12/13	KS



TOLERANCES UNLESS SPECIFIED		DATE	
DECIMAL	ANGULAR	06/15/02	
XXX±	±		
XXXX±			
XXXX±			
IDT 6024 SILVER CREEK VALLEY ROAD San Jose, CA 95138 PHONE: (408) 284-8200 FAX: (408) 492-8674 www.IDT.com		TITLE BM 372 PACKAGE OUTLINE 35.0 X 35.0 mm BODY 1.0 mm BALLPITCH MULTITIER SBGA	
APPROVALS	DATE	SIZE	DRAWING No.
DRAWN gty	06/15/02	C	PSC-4113
CHECKED			
DO NOT SCALE DRAWING		SHEET	1 OF 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	06/15/02	Tu Vu
01	COMBINE POD & LAND PATTERN	06/12/13	KS



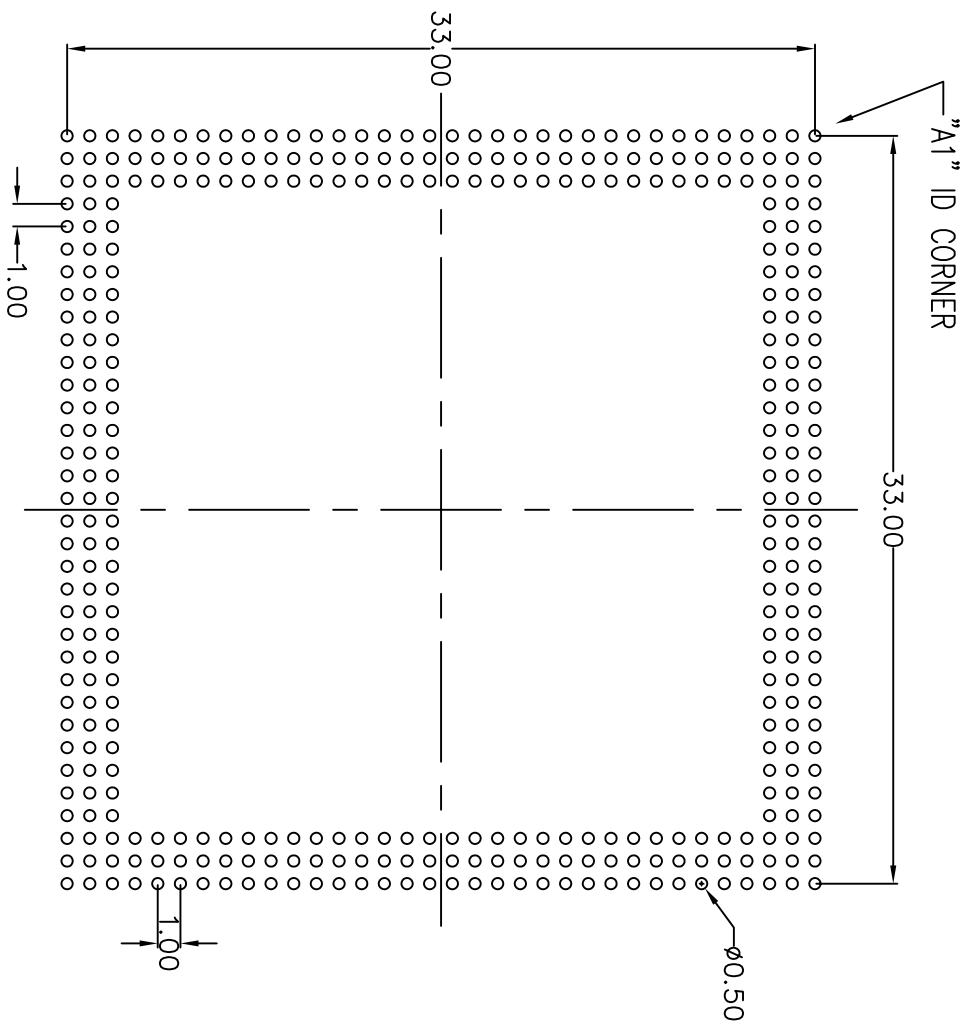
SYMBOL	JEDEC VARIATION			NOTE
	MIN	NOM	MAX	
A	—	—	2.90	
A1	.30	—	—	
A2	—	—	2.30	
A3	.15	—	—	
D	—	35.00 BSC	—	
E	—	35.00 BSC	—	
M	—	34 (DEPOPULATED)	—	3
N	—	372	—	4
e	—	1.00 BSC	—	
b	.50	.60	.70	5
CENTER BALL MATRIX	N/A			

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
- △ DIMENSION "b" IS MEASURED AT THE MAXIMUM SOLDER BALL DIAMETER, PARALLEL TO PRIMARY DATUM ---C---
- △ SEATING PLANE AND PRIMARY DATUM ---C--- ARE DEFINED BY THE SPHERICAL CROWNS OF THE SOLDER BALLS
- △ "A1" ID CORNER MUST BE IDENTIFIED BY CHAMFER, INK MARK, METALLIZED MARKING, INDENTATION OR OTHER FEATURE ON PACKAGE BODY
- △ EXACT SHAPE OF EACH CORNER IS OPTIONAL
- 9 ALL DIMENSIONS ARE IN MILLIMETERS

TOLERANCES UNLESS SPECIFIED		IDT 6024 SILVER CREEK VALLEY ROAD Sqn. Jose, CA 95138 PHONE: (408) 284-8200 FAX: (408) 492-8674	
DECIMAL	±	ANGULAR	±
XX.X		XXXX	
APPROVALS	DATE	TITLE	BM 372 PACKAGE OUTLINE
DRAWN 979	06/15/02	35.0 X 35.0 mm BODY	
CHECKED		1.0 mm BALLPITCH MULTI TIER SBGA	
		SIZE C	DRAWING No. PSC-4113
			REV 01
DO NOT SCALE DRAWING		SHEET 2 OF 3	

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	06/15/02	Tu Vu
01	COMBINE POD & LAND PATTERN	06/12/13	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.

TOLERANCES UNLESS SPECIFIED		IDT 6024 SILVER CREEK VALLEY ROAD SAN JOSE, CA 95138 PHONE: (408) 284-8200 FAX: (408) 492-8674 www.idt.com	
DECIMAL	ANGULAR	±	
XXX±			
XXXX±			
XXXX±			
APPROVALS	DATE	TITLE	
DRAWN 371	06/15/02	BM 372 PACKAGE OUTLINE	
CHECKED		35.0 X 35.0 mm BODY	
		1.0 mm BALLPITCH MULTI TIER SBGA	
		SIZE C	REV 01
		DRAWING No. PSC-4113	
		DO NOT SCALE DRAWING	SHEET 3 OF 3