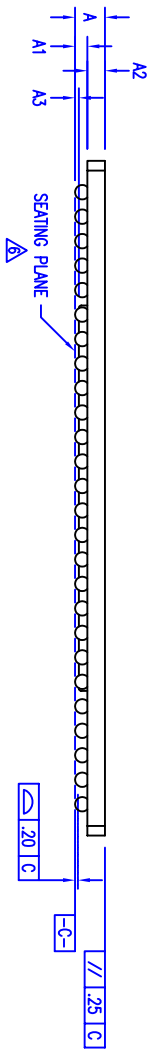
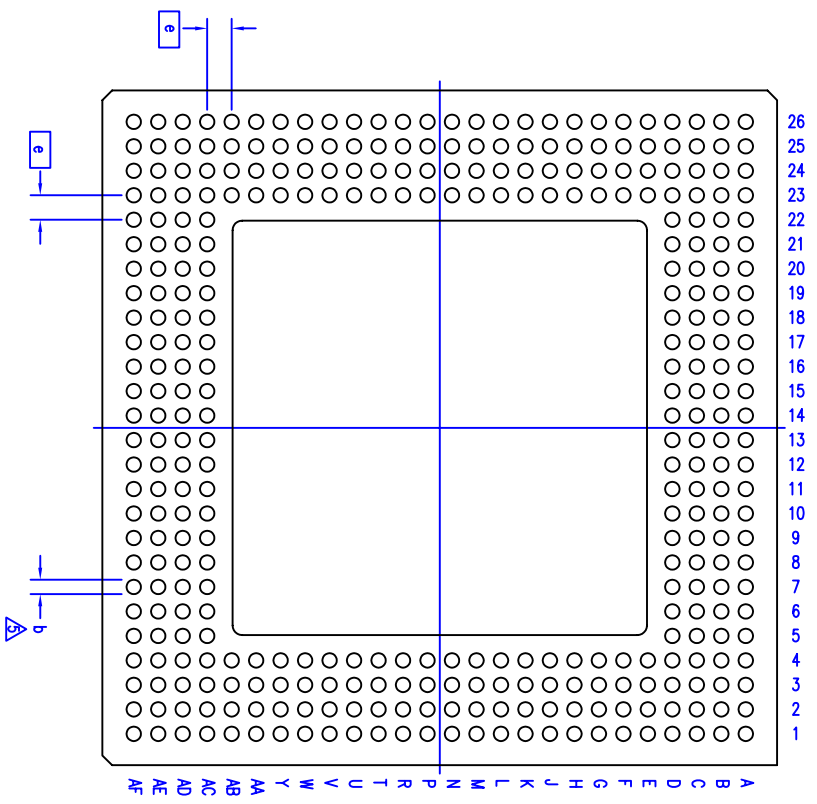
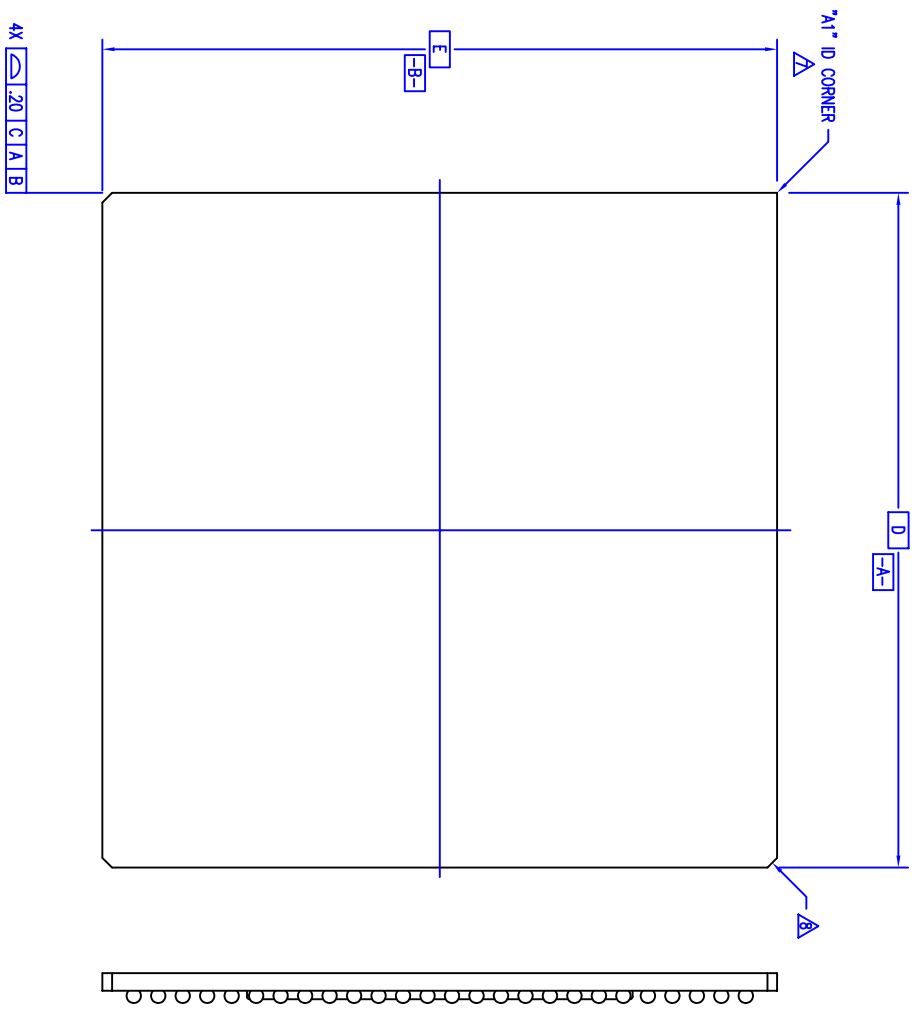


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	07/15/99	Tu Vu
01	COMBINE POD & LAND PATTERN	06/12/13	KS



TOLERANCES UNLESS SPECIFIED	
DECIMAL	ANGULAR
± .01	± .5
± .005	± .25
± .0025	± .125
± .00125	± .0625
± .000625	± .03125

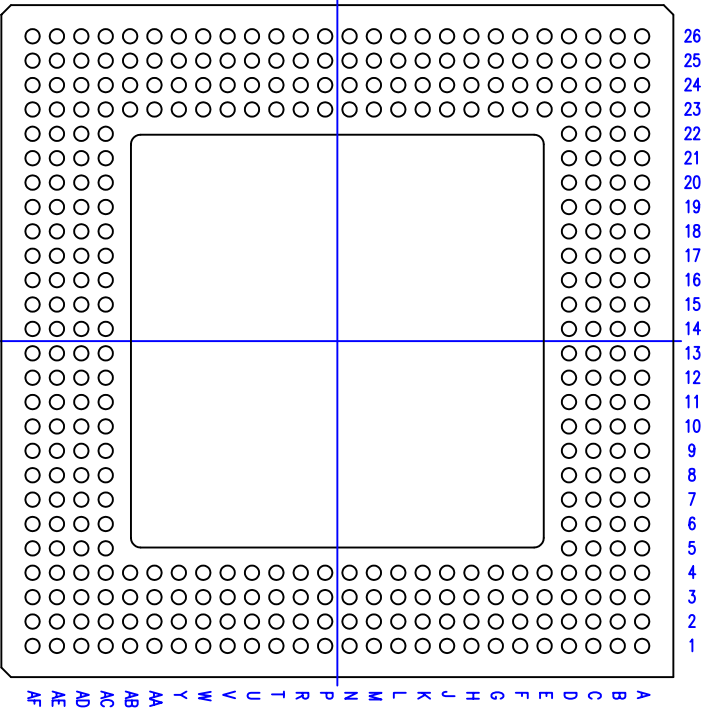
APPROVALS	DATE	TITLE
DRAWN JY	07/15/99	BS 352 PACKAGE OUTLINE
CHECKED		35.0 X 35.0 mm BODY
		SBGA

IDT 6024 SILVER CREEK VALLEY ROAD San Jose, CA 95138 PHONE: (408) 284-8200 FAX: (408) 492-8674	SIZE: C DRAWING No. PSC-4080 DO NOT SCALE DRAWING
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	07/15/99	TJ WJ
01	COMBINE POD & LAND PATTERN	06/12/13	KS

NOTES:

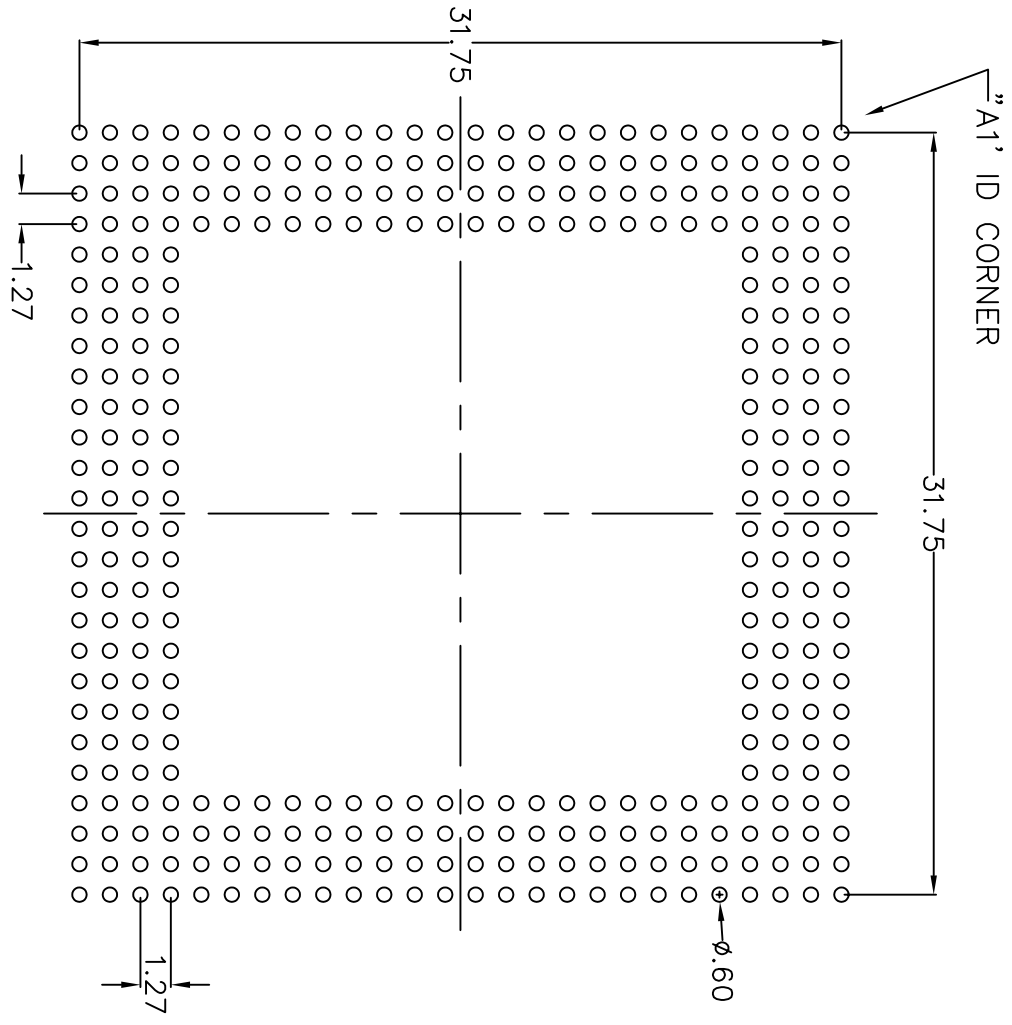
- 1 ALL DIMENSIONING AND TOLERANCING CONFORM TO ANSI Y14.5M-1982
 - 2 "e" REPRESENTS THE BASIC SOLDER BALL GRID PITCH
 - 3 "M" REPRESENTS THE MAXIMUM SOLDER BALL MATRIX SIZE
 - 4 "N" REPRESENTS THE BALLCOUNT NUMBER
- ⚠ DIMENSION "b" IS MEASURED AT THE MAXIMUM SOLDER BALL DIAMETER, PARALLEL TO PRIMARY DATUM [C-C]
- ⚠ SEATING PLANE AND PRIMARY DATUM [C-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



SYMBOL	JEDEC VARIATION			NOTE
	MIN	NOM	MAX	
A	-	-	1.70	
A1	.50	.60	.70	
A2	.80	.90	1.00	
A3	.20	-	-	
D	35.00 BSC			
E	35.00 BSC			
M	26 (DEPOPULATED)			3
N	352			4
e	1.27 BSC			
b	.60	.75	.90	5
CENTER BALL MATRIX	N/A			

TOLERANCES UNLESS SPECIFIED		6024 SILVER CREEK VALLEY ROAD San Jose, CA 95138 PHONE: (408) 284-8200 FAX: (408) 492-8674 www.IDT.com	
DECIMAL	ANGULAR		
XXXXX	±		
APPROVALS	DATE	TITLE	
DRAWN gy	07/15/99	BS 352 PACKAGE OUTLINE	
CHECKED		35.0 X 35.0 mm BODY	
		TBGA	
SIZE	DRAWING No.	REV	
C	PSC-4080	01	
DO NOT SCALE DRAWING		SHEET 2 OF 3	


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	07/15/99	TJ WJ
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		DATE	
DECIMAL	ANGULAR	07/15/99	
XXX±	±		
XXXX±			
APPROVALS	DATE	TITLE	REV
DRAWN TJ	07/15/99	BS 352 PACKAGE OUTLINE	01
CHECKED		35.0 X 35.0 mm BODY	
		TBGA	
 IDT 6024 SILVER CREEK VALLEY ROAD San Jose, CA 95138 PHONE: (408) 284-8200 FAX: (408) 492-8674 www.IDT.com		SIZE	REV
		C	01
DO NOT SCALE DRAWING		PSC-4080	
		SHEET 3 OF 3	