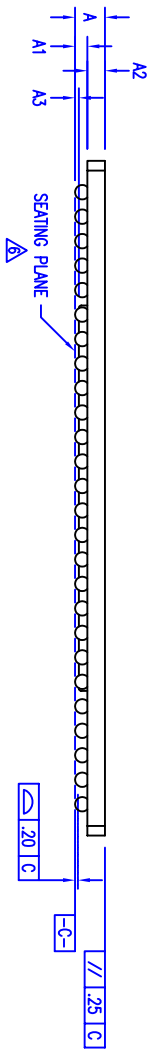
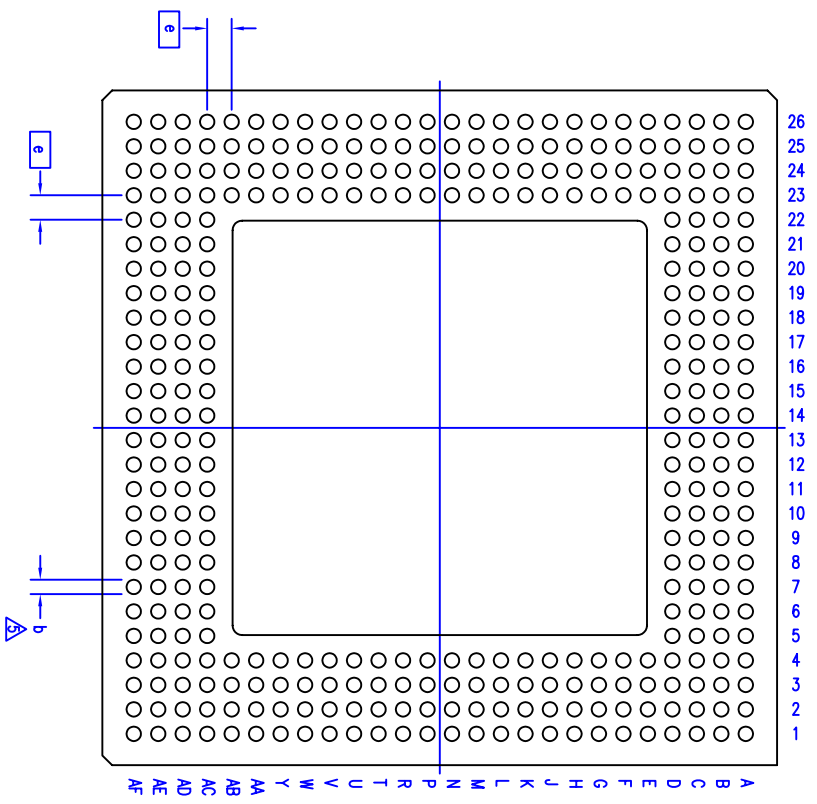
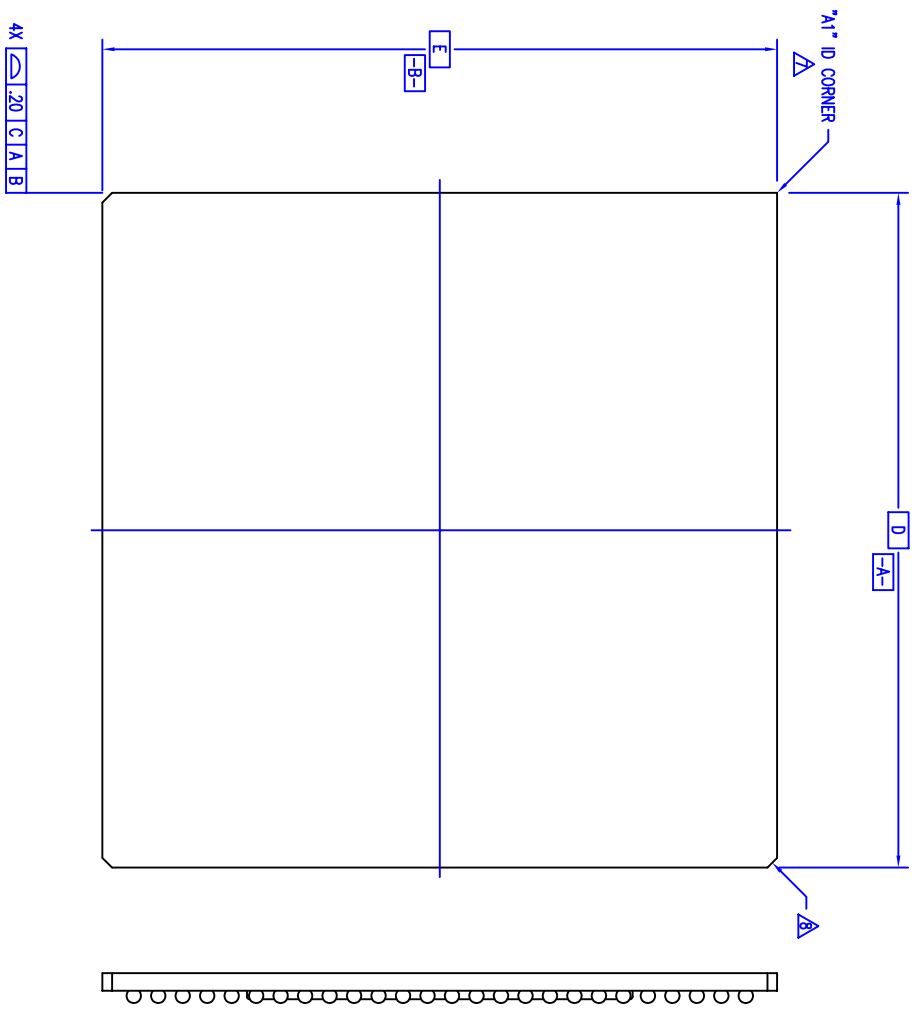


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	07/15/99	Tu Vu
01	COMBINE POD & LAND PATTERN	06/12/13	KS



TOLERANCES UNLESS SPECIFIED	
DECIMAL	ANGULAR
± .010	± .010
± .005	± .010
± .002	± .010
± .001	± .010
± .0005	± .010
± .0002	± .010

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

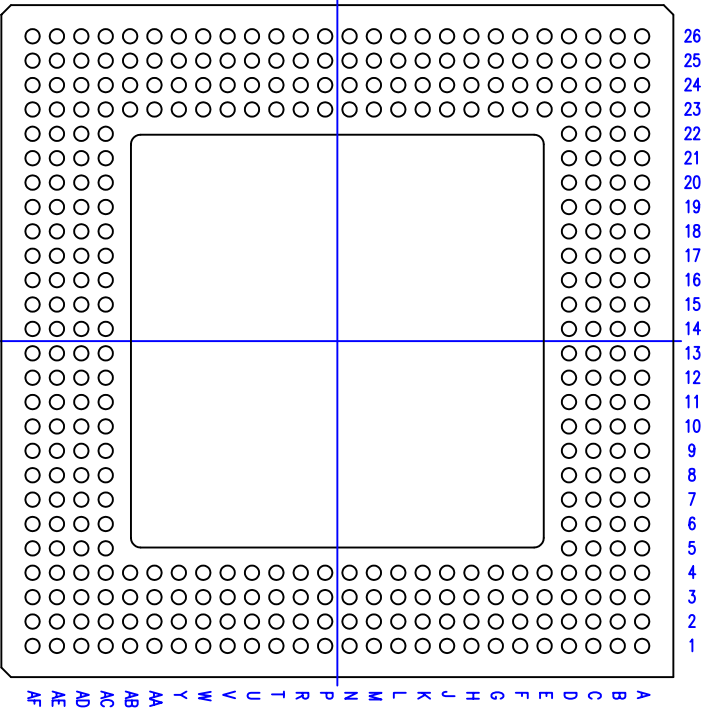
 6024 SILVER CREEK VALLEY ROAD San Jose, CA 95138 PHONE: (408) 284-8200 FAX: (408) 492-8674	SIZE: C DRAWING No. PSC-4080 DO NOT SCALE DRAWING
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REV	01
DATE	
DESCRIPTION	
APPROVED	

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

NOTES:

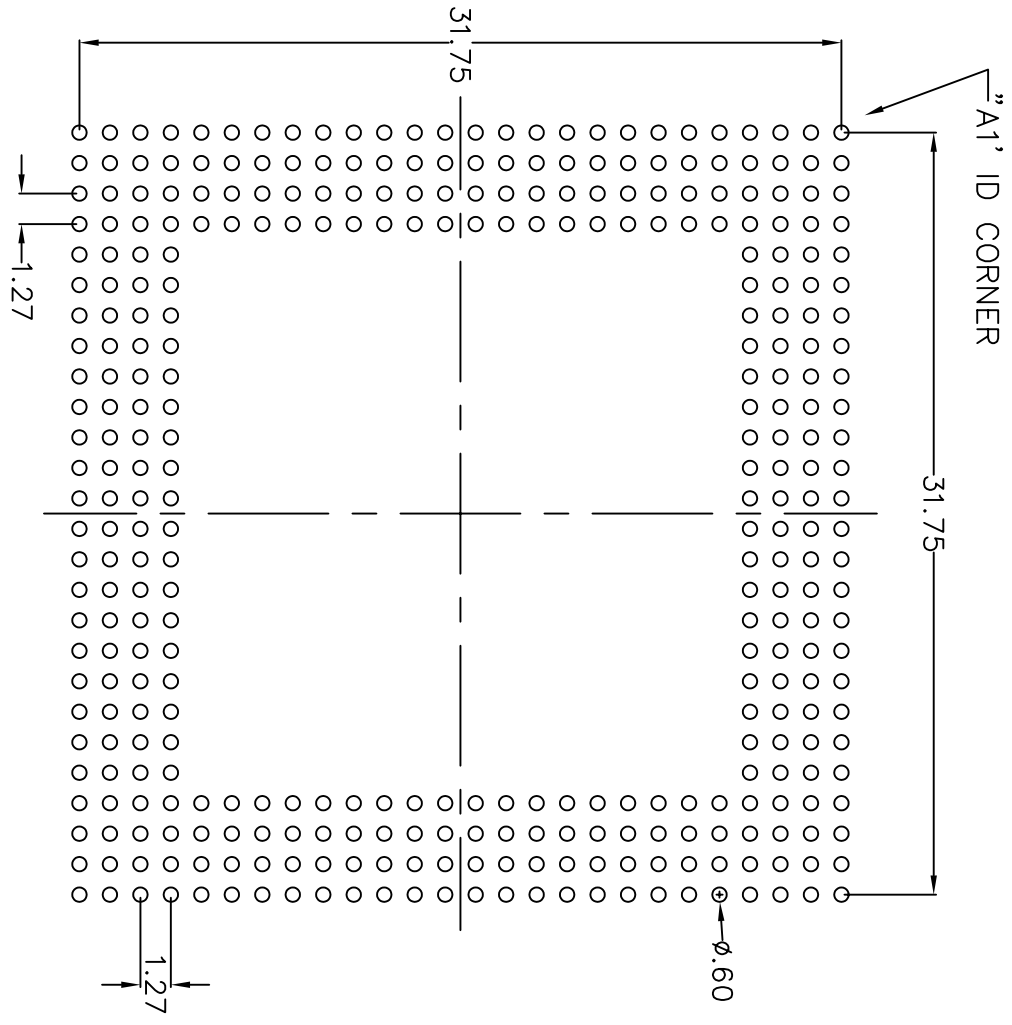
- 1 ALL DIMENSIONING AND TOLERANCING CONFORM TO ANSI Y14.5M-1982
- 2 "e" REPRESENTS THE BASIC SOLDER BALL GRID PITCH
- 3 "M" REPRESENTS THE MAXIMUM SOLDER BALL MATRIX SIZE
- 4 "N" REPRESENTS THE BALLCOUNT NUMBER
- 5 DIMENSION "b" IS MEASURED AT THE MAXIMUM SOLDER BALL DIAMETER, PARALLEL TO PRIMARY DATUM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



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	
DECIMAL	ANGULAR
XXX±	±
XXXX±	
XXXX±	
APPROVALS	DATE
DRAWN gy	07/15/99
CHECKED	
IDT 6024 SILVER CREEK VALLEY ROAD San Jose, CA 95138 PHONE: (408) 284-8200 FAX: (408) 492-8674 www.IDT.com	
TITLE BS_352 PACKAGE OUTLINE	
35.0 X 35.0 mm BODY	
TBGA	
SIZE C	DRAWING No. PSC-4080
DO NOT SCALE DRAWING	REV 01
	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	