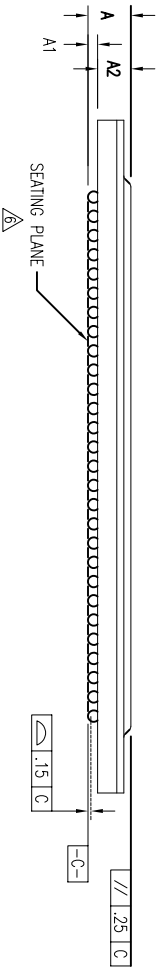
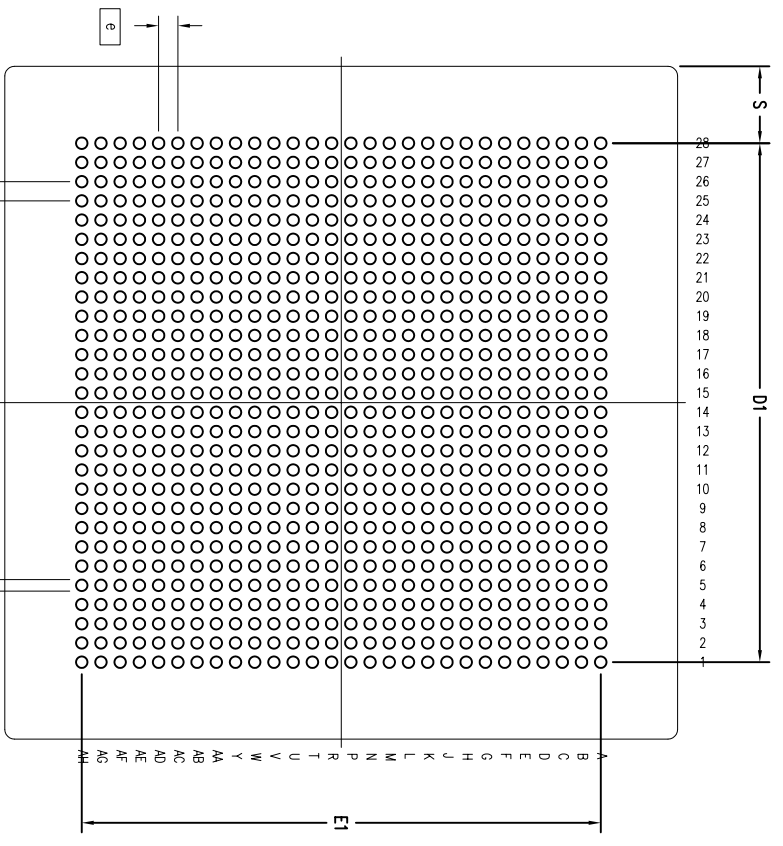
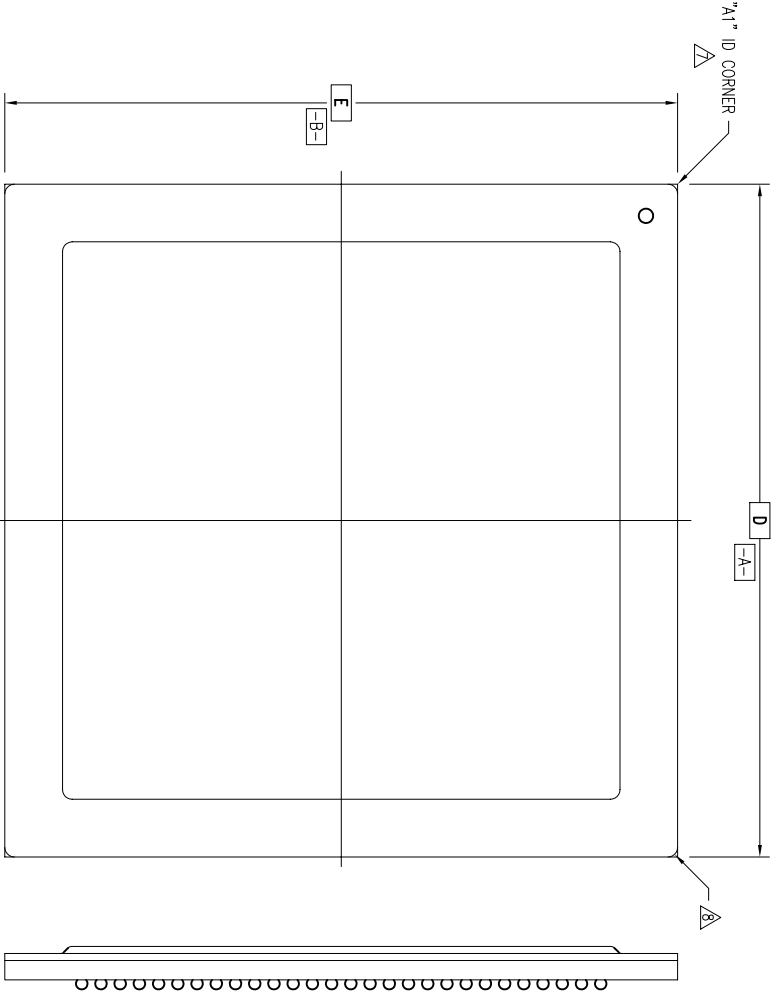


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	07/30/06	T.V
01	ADD MR ON TITLE	10/29/08	P.PAIK
02	COMBINE POD & LAND PATTERN	06/03/13	KS



TOLERANCES UNLESS SPECIFIED	
DECIMAL	±
ANGULAR	±
XXX±	
XXXX±	
XXXX±	
APPROVALS	DATE
DRAWN 97J	07/30/06
CHECKED	
SIZE C	DRAWING NO. PSC-4196
REV 02	

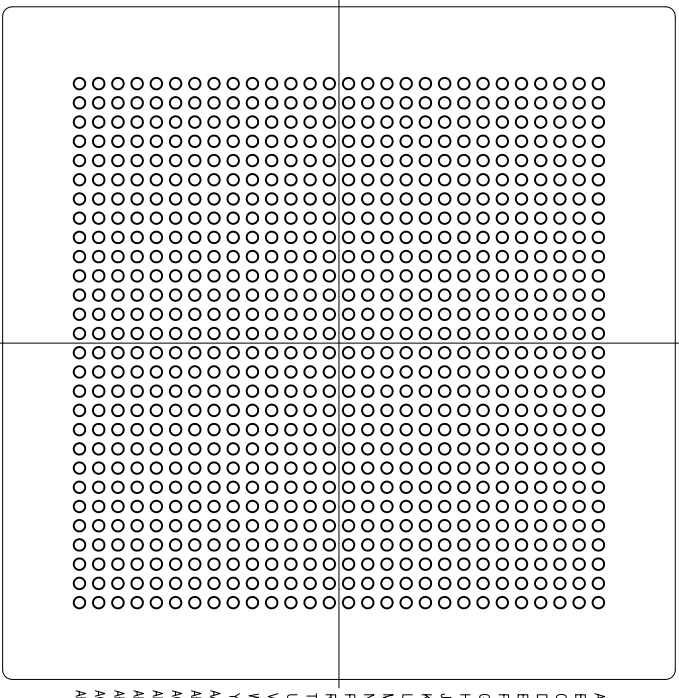
IDT
 6024 SILVER CREEK
 VALLEY ROAD
 SAN JOSE CA 95138
 TEL: (408) 284-8200
 FAX: (408) 284-8591

BM/MR 784 PACKAGE OUTLINE
 35.0 X 35.0 mm BODY
 1.00 mm BALLPITCH FCBCA

DO NOT SCALE DRAWING

SHEET 1 OF 3

28
27
26
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3
2
1




BOTTOM VIEW
(BALL SIDE VIEW)

SYMBOL	JEDEC VARIATION			NOTE
	MIN	NOM	MAX	
A	-	-	3.42	
A1	.30	-	-	
A2	2.16	-	2.82	
D	35.00 BSC			
E	35.00 BSC			
D1	27.00			
E1	27.00			
S	4.00			
M	28			3
N	784			4
e	1.00 BSC			
b	.50	.60	.70	5
CENTER BALL MATRIX	N/A			

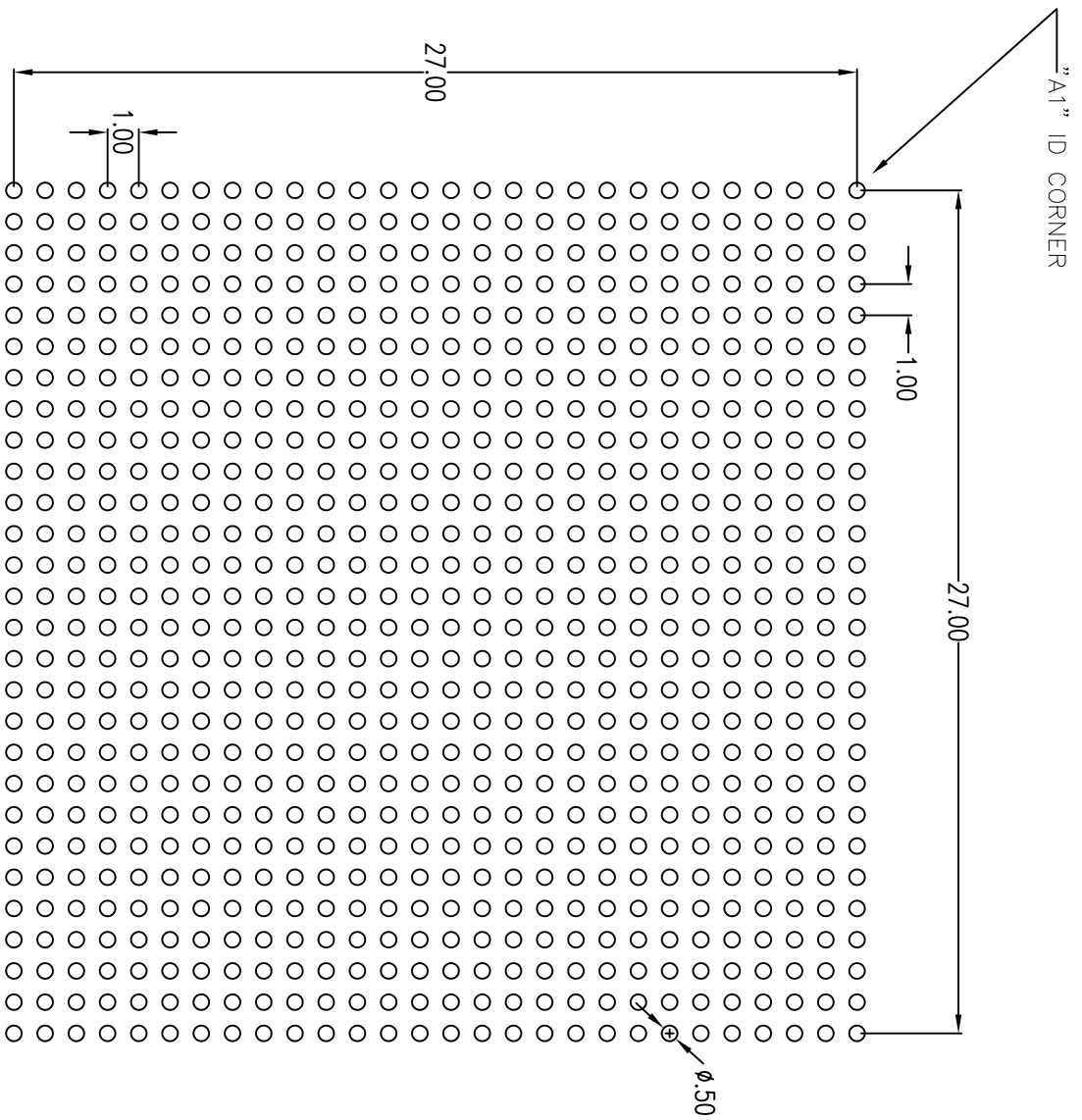
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	07/30/06	T.V
01	ADD MR ON TITLE	10/29/08	P.PAIK
02	COMBINE POD & LAND PATTERN	06/03/13	KS

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 $\boxed{C-C}$
- 6 SEATING PLANE AND PRIMARY DATUM $\boxed{C-C}$ 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 SAN JOSE CA 95138 TEL: (408) 284-8200 FAX: (408) 284-8591
DECIMAL	ANGULAR	
±	±	
XXXX	XXXX	
APPROVALS	DATE	TITLE
DRAWN 979	07/30/06	BM/MR 784 PACKAGE OUTLINE
CHECKED		35.0 X 35.0 mm BODY
		1.00 mm BALLPITCH FCBGA
SIZE	DRAWING No.	REV
C	PSC-4196	02
DO NOT SCALE DRAWING		SHEET 2 OF 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	07/30/06	T.V
01	ADD MR ON TITLE	10/29/08	P.PAIK
02	COMBINE PAD & LAND PATTERN	06/03/13	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		 6024 SILVER CREEK VALLEY ROAD SAN JOSE CA 95136 TEL: (408) 284-8200 FAX: (408) 284-8891
DECIMAL	ANGULAR	
±	±	
APPROVALS	DATE	TITLE
XXXXX	07/30/06	BM/MR 784 PACKAGE OUTLINE
DRAWN 379		35.0 X 35.0 mm BODY
CHECKED		1.00 mm BALLPITCH FCBSGA
	SIZE	DRAWING No.
	C	PSC-4196
	DO NOT SCALE DRAWING	REV
		02
		SHEET 3 OF 3