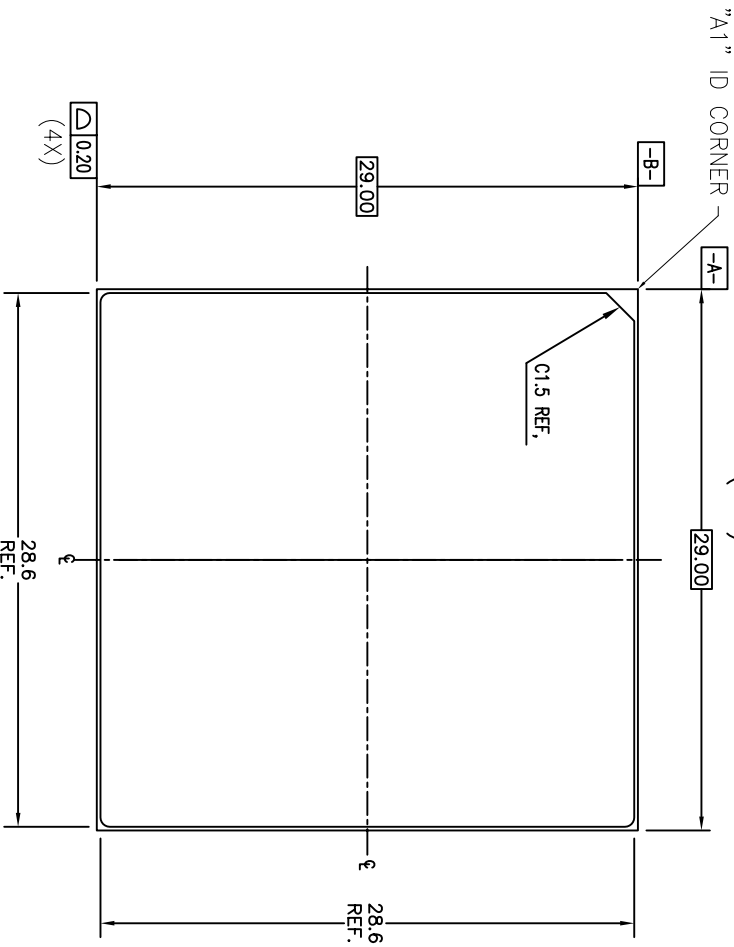


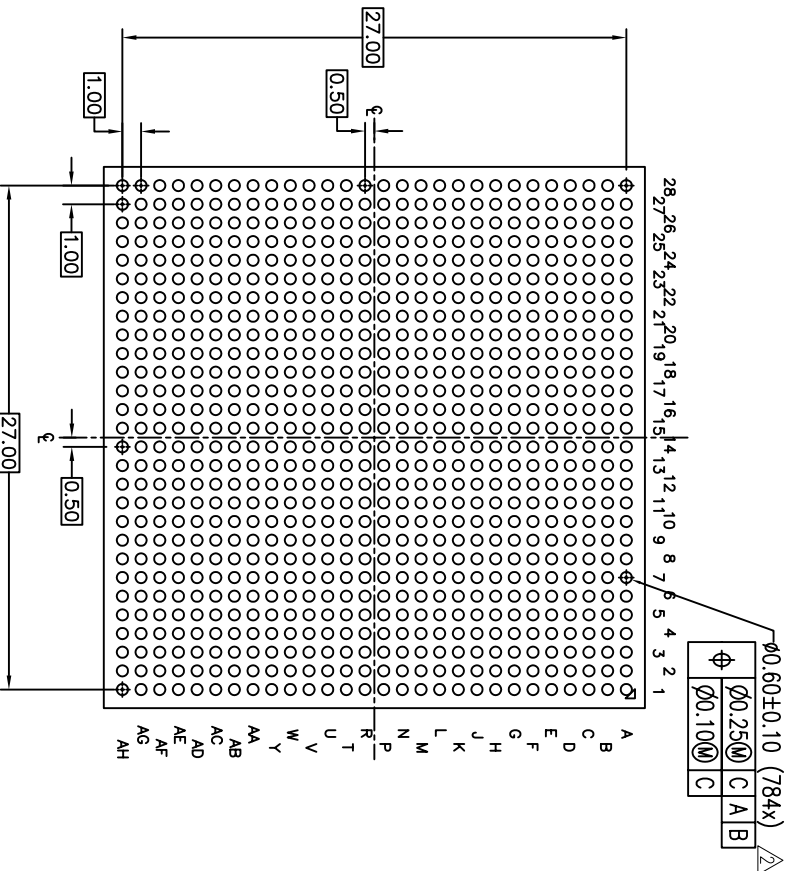
NOTES:

- 1 ALL DIMENSIONING AND TOLERANCING CONFORM TO ANSI Y14.5M-1994 DIMENSION IS MEASURED AT THE MAXIMUM SOLDER BALL DIAMETER, PARALLEL TO PRIMARY DATUM -C-
- 2 SEATING PLANE AND PRIMARY DATUM -C- ARE DEFINED BY THE CONTACT POINTS OF THREE OR MORE SOLDER BALLS THAT SUPPORT THE DEVICE WHEN PLACED ON A TOP OF A PLANAR SURFACE.
- 4 ALL DIMENSIONS ARE IN MILLIMETERS

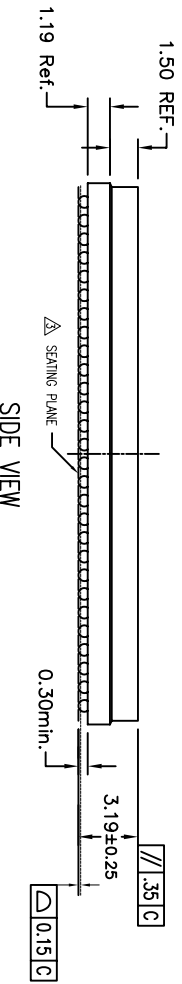
LID OPTION  
(W1) FLAT LID



TOP VIEW



BOTTOM VIEW



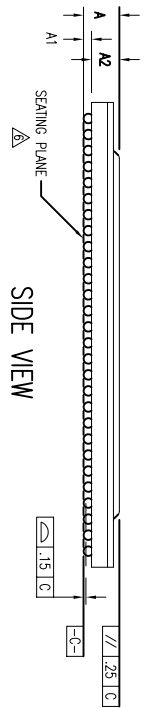
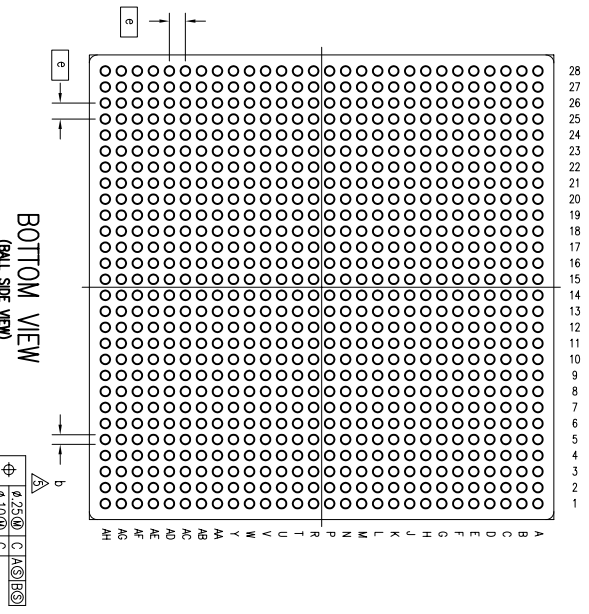
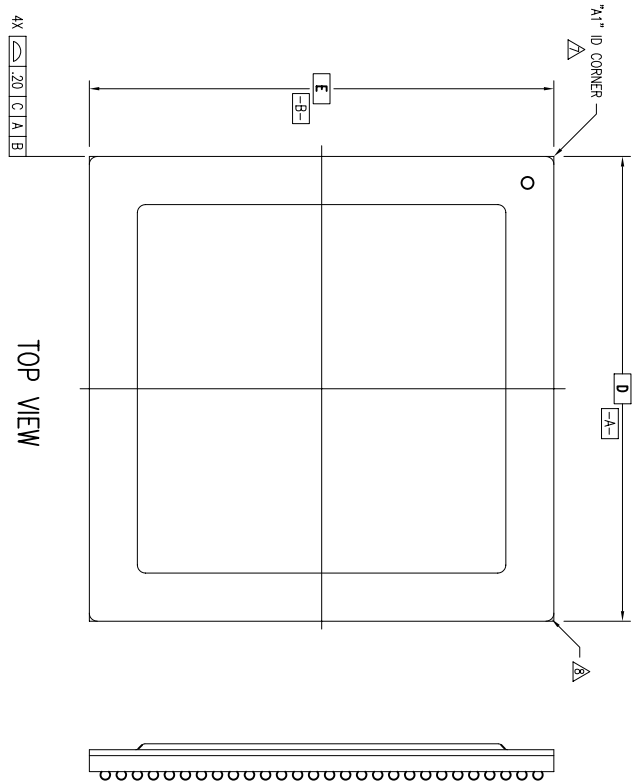
SIDE VIEW

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	05/10/11	M.ROY
01	ADD LID OPTION	01/25/13	R.C
02	COMBINE POD & LAND PATTERN	06/03/13	KS

TOLERANCES UNLESS SPECIFIED		<b>JIDT</b>	
DECIMAL	±	6024 Silver Creek Valley Rd San Jose, CA 95138 PHONE: (408) 284-8200 FAX: (408) 284-3572	
ANGULAR	±	www.jidt.com	
XXX±		TITLE BL/BR 784 PACKAGE OUTLINE	
XXXX±		FCBGA 29.0 x 29.0mm BODY	
APPROVALS	DATE	1.00 mm BALLPITCH FCBGA	
DRAWN 9/20	30/03/11	SIZE C DRAWING NO. PSC-4349	
CHECKED		REV 02	
DO NOT SCALE DRAWING		SHEET 1 OF 3	

# LID OPTION (W2) HAT LID

REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	05/10/11	M.ROY
01	ADD LID OPTION	01/25/13	R.C
02	COMBINE POB & LAND PATTERN	06/03/13	KS



SYMBOL	JEDEC VARIATION			NOTE
	MIN	NOM	MAX	
A	-	-	3.50	
A1	.30	-	-	
A2	.25	-	3.00	
D	29.00	BSC		
E	29.00	BSC		
M	28			3
N	784			4
e	1.00	BSC		
b	.50	.60	.70	5
CENTER BALL MATRIX	N/A			

LID OPTION		PAGE 1
W1	FLAT LID	PAGE 2
W2	HAT LID	

**TOLERANCES UNLESS SPECIFIED**

DECIMAL	ANGULAR
XXX±.1	± 1°
XXXX±.05	
XXXXX±.030	

APPROVALS: DATE: 30/03/11

DRAWN: YLW

CHECKED:

**IDT** 6024 Silver Creek Valley Rd  
San Jose, CA 95138  
PHONE: (408) 284-8200  
FAX: (408) 284-5572

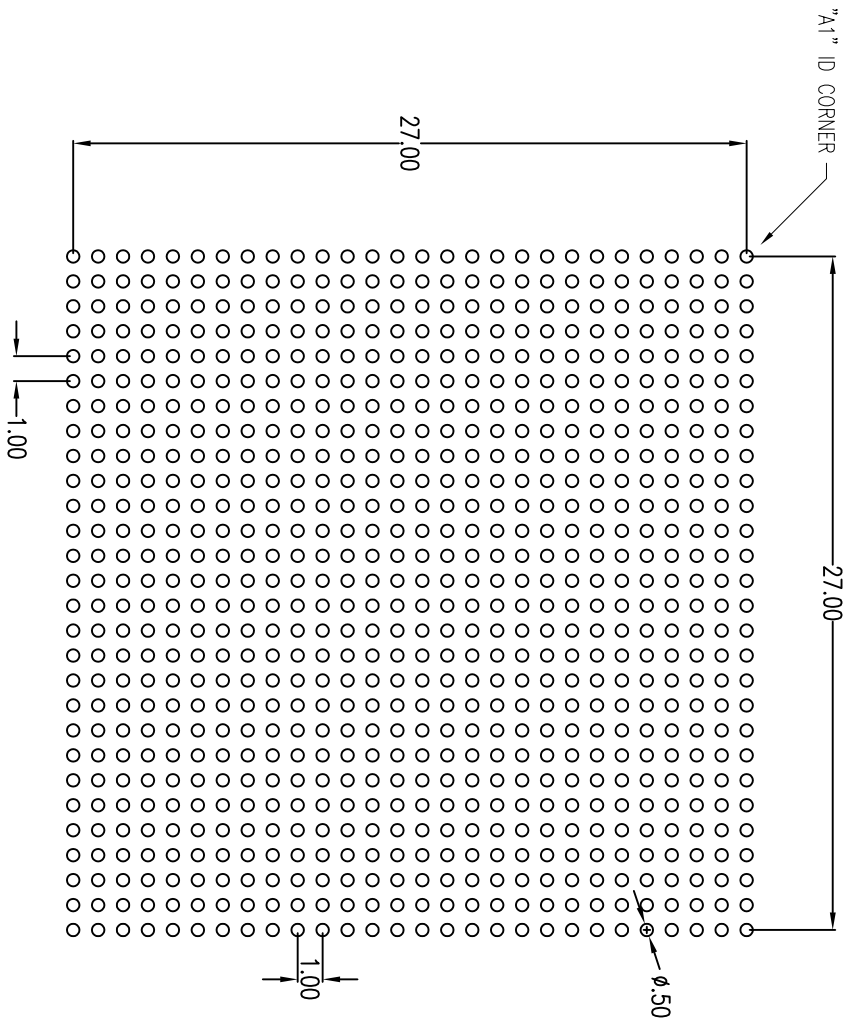
WWW.IDT.COM

TITLE: BL/BR 784 PACKAGE OUTLINE  
29.0 X 29.0 mm BODY  
1.00 mm BALLPITCH FOBCA

SIZE: C DRAWING No. PSC-4349 REV 02

DO NOT SCALE DRAWING SHEET 2 OF 3


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	05/10/11	MROY
01	ADD LID OPTION	01/25/13	R.C
02	COMBINE POD & 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		 <b>6024 Silver Creek Valley Rd</b> San Jose, CA 95138 PHONE: (408) 284-8200 FAX: (408) 284-5572	
DECIMAL	ANGULAR	TITLE	BL/BR 784 PACKAGE OUTLINE
XXX±.1	±1°	WWW.IDT.COM	29.0 X 29.0 mm BODY
XXXX±.05			1.00 mm BALLPITCH FCBCA
APPROVALS	DATE	SIZE	DRAWING No.
DRAWN: 7/20	30/03/11	C	PSC-4349
CHECKED		DO NOT SCALE DRAWING	REV 02
			SHEET 3 OF 3