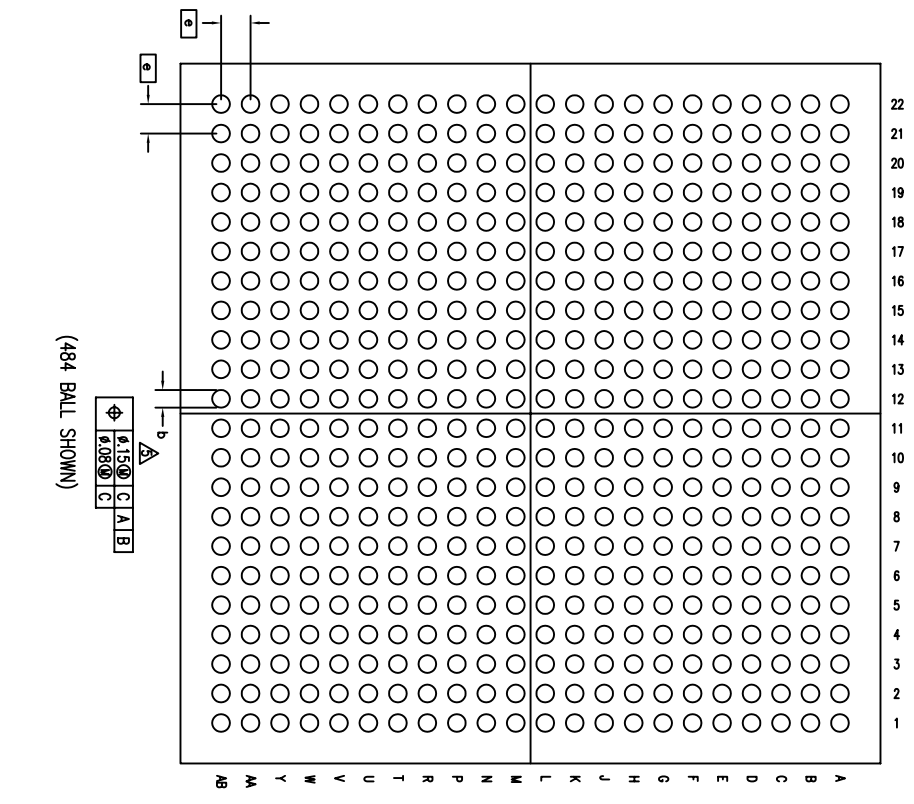
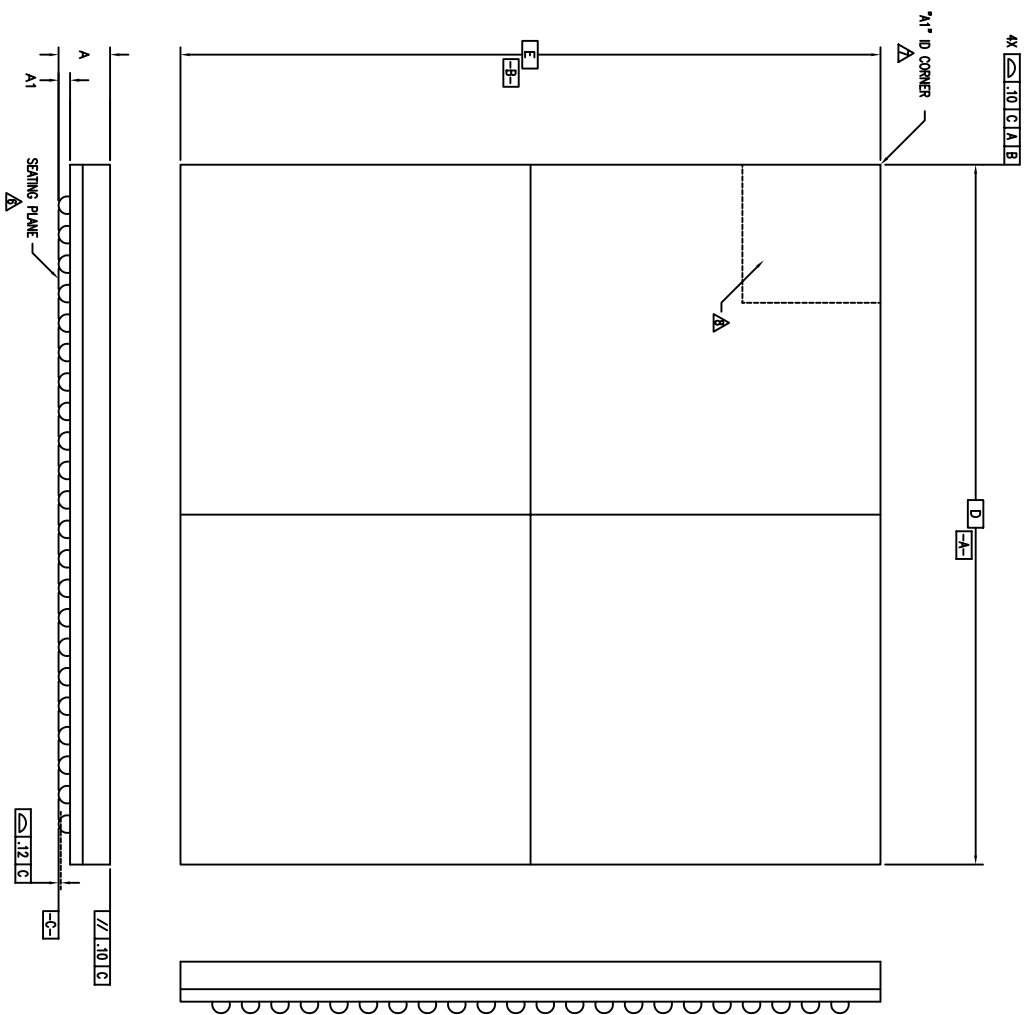


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	05/27/09	PP
01	COMBINE POD & LAND PATTERN	05/24/13	KS

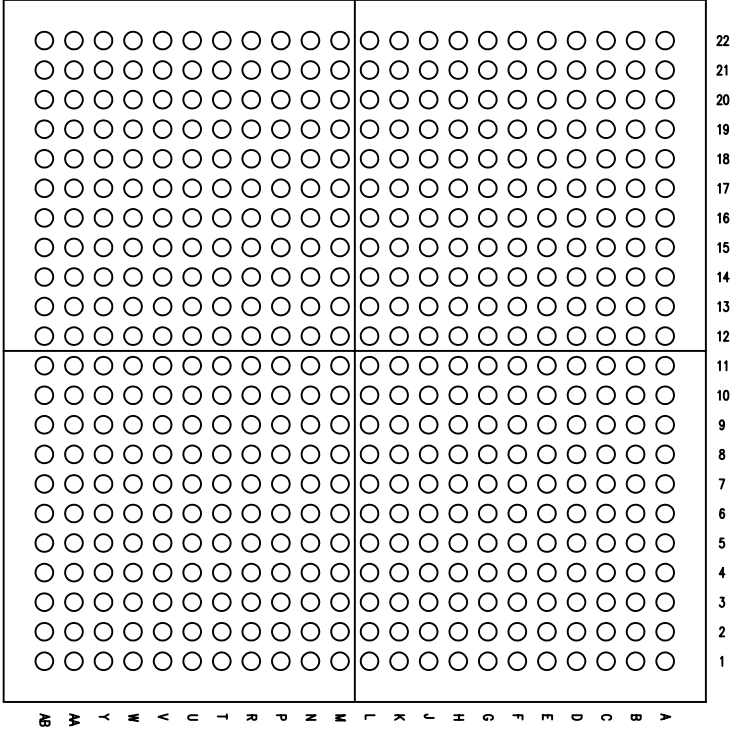


(484 BALL SHOWN)

ϕ .1500 C A B
 ϕ .0800 C

TOLERANCES UNLESS SPECIFIED		6024 SILVER CREEK	
DECIMAL	ANGULAR	VALLEY ROAD, SAN JOSE, CA 95138	
XXX±	F	PHONE: (408) 284-8200	
XXXX±		WWW.IDT.COM	
XXXX±		FAX: (408) 284-3572	
APPROVALS	DATE	TITLE	
DRAWN / POC	04/24/09	BF/BFG 484 PACKAGE OUTLINE	
CHECKED		19.0 x 19.0 mm, 0.8mm PITCH	
		FPRCA	
		SIZE	DRAWING NO.
		C	PSC-4252
			REV
			01
DO NOT SCALE DRAWING		SHEET 1 OF 3	


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	05/27/09	PP
01	COMBINE POD & LAND PATTERN	05/24/13	KS



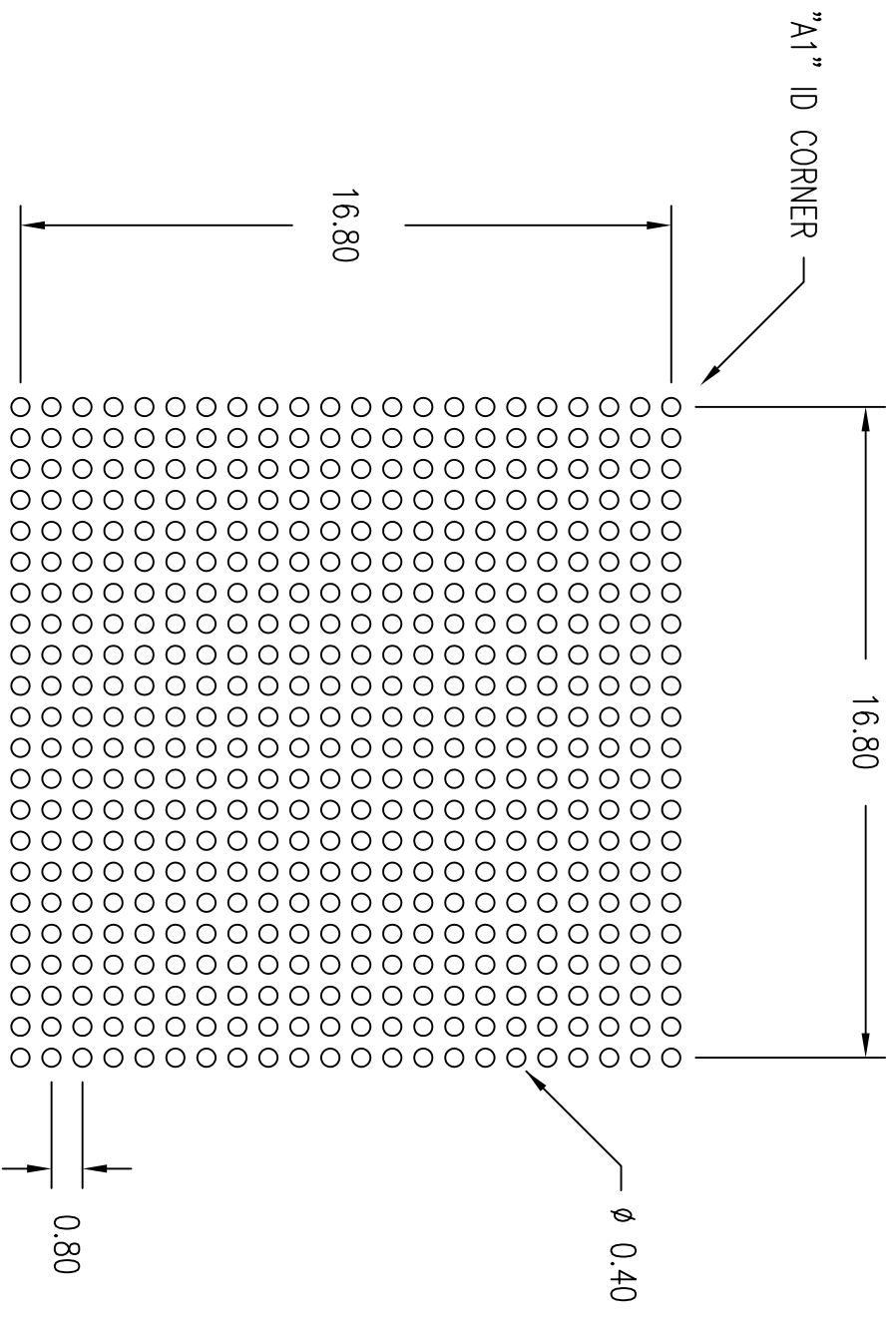
SYMBOL	JEDEC VARIATION			NOTE
	MIN	NOM	MAX	
A	1.30	1.40	1.70	
A1	.25	.40	.45	
D	19.00 BSC			
E	19.00 BSC			
M	22 X 22			3
N	484			4
e	.80 BSC			
b	.40	.45	.50	5
CENTER BALL MATRIX	N/A			

NOTES:

- 1 ALL DIMENSIONING AND TOLERANCING CONFORM TO ASME Y14.5M-1994
- 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 \square -C-
- 6 SEATING PLANE AND PRIMARY DATUM \square -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 IF "A1" ID CORNER IS ON PACKAGE BODY, IT MUST BE LOCATED WITHIN THE ZONE INDICATED
- 9 ALL DIMENSIONS ARE IN MILLIMETERS

<p>www.IDT.com</p> 		<p>6024 SILVER CREEK VALLEY ROAD, SAN JOSE, CA 95138 PHONE: (408) 294-8200 FAX: (408) 294-5972</p>	
<p>TOLERANCES UNLESS SPECIFIED</p> <p>DECIMAL ±</p> <p>ANGULAR ±</p> <p>XXX±</p> <p>XXXX±</p>		<p>DATE: 04/24/09</p> <p>APPROVALS: DRAWN / PSC</p> <p>CHECKED:</p>	
<p>SIZE: C</p> <p>DRAWING NO.: PSC-4252</p>		<p>REV: 01</p>	
<p>DO NOT SCALE DRAWING SHEET 2 OF 3</p>			

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	05/27/09	PP
01	COMBINE POU & LAND PATTERN	05/24/13	KS



LAND PATTERN DIMENSIONS (mm)

TOLERANCES UNLESS SPECIFIED		6024 SILVER CREEK VALLEY ROAD. SAN JOSE, CA 95138	
DECIMAL	ANGULAR	PHONE: (408) 284-8200	
XX±	±	FAX: (408) 284-3572	
XXXX±		www.IDT.com	
XXXX±		IDT™	
APPROVALS	DATE	TITLE	
DRAWN PJC/CP	07/07/08	BF/BFG484 PACKAGE OUTLINE	
CHECKED		19.0 x 19.0 mm BODY	
		0.8 mm PITCH FPBGA	
		SIZE	DRAWING No.
		C	PSC-4252
		REV	01
DO NOT SCALE DRAWING		SHEET 3 OF 3	