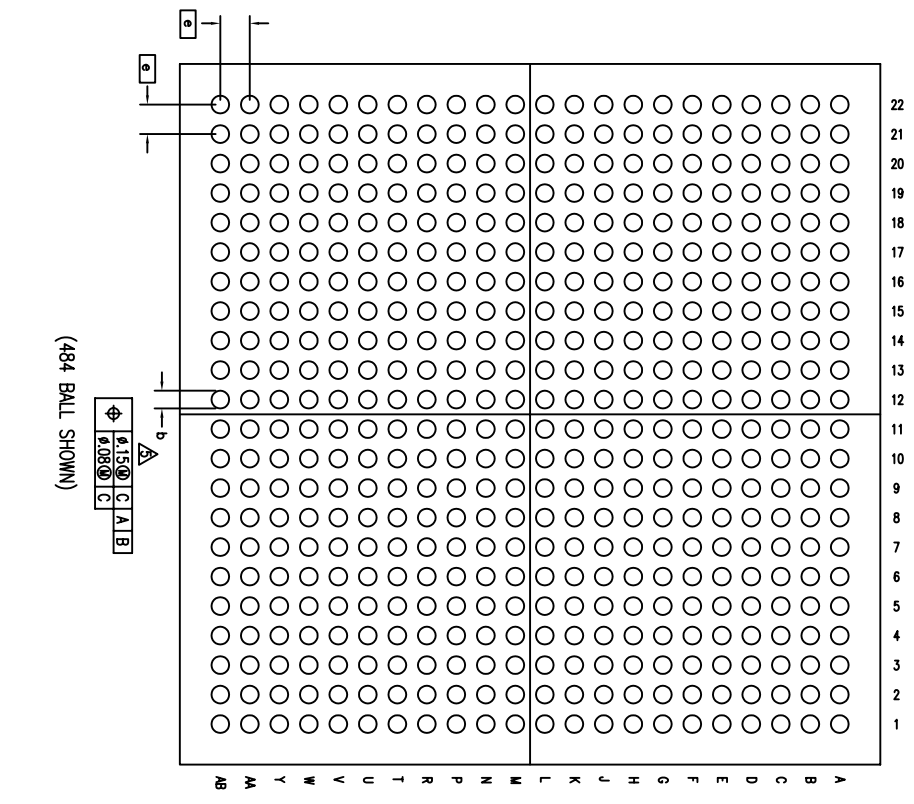
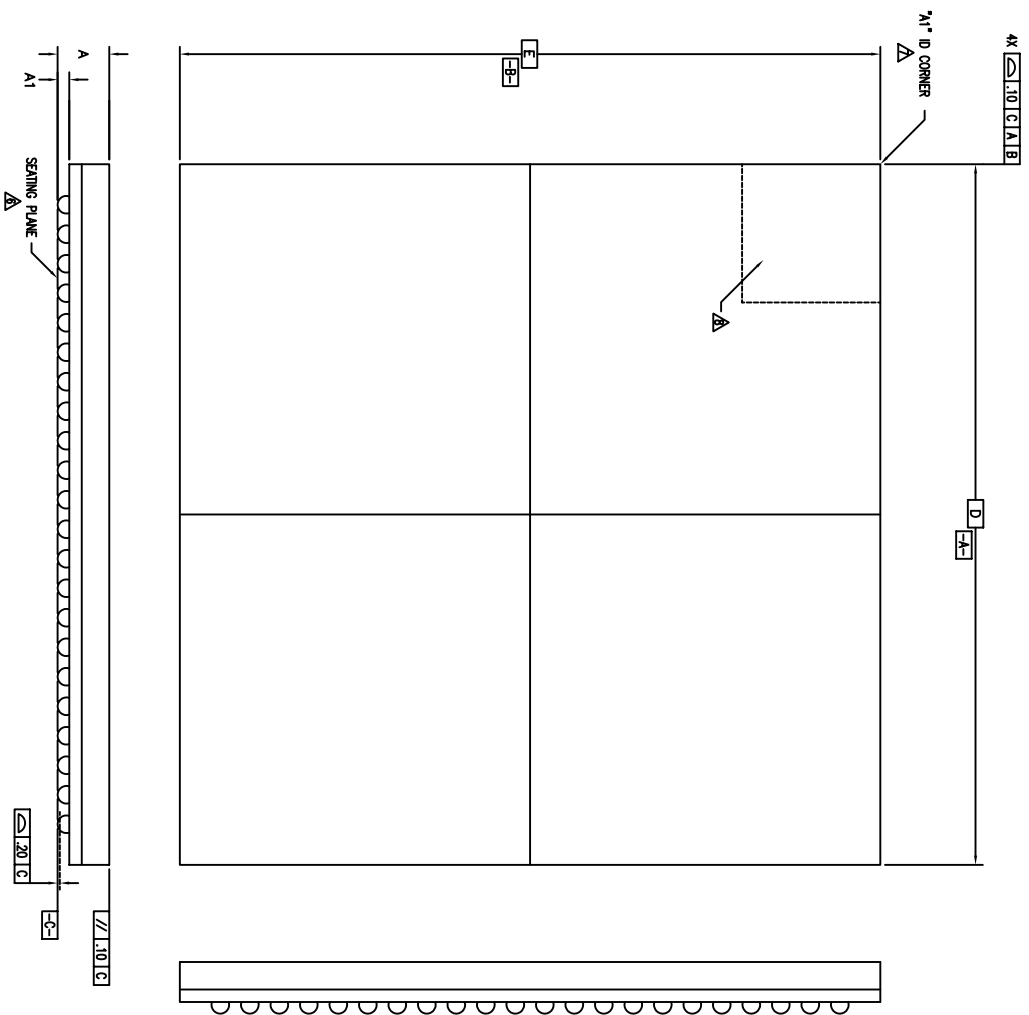


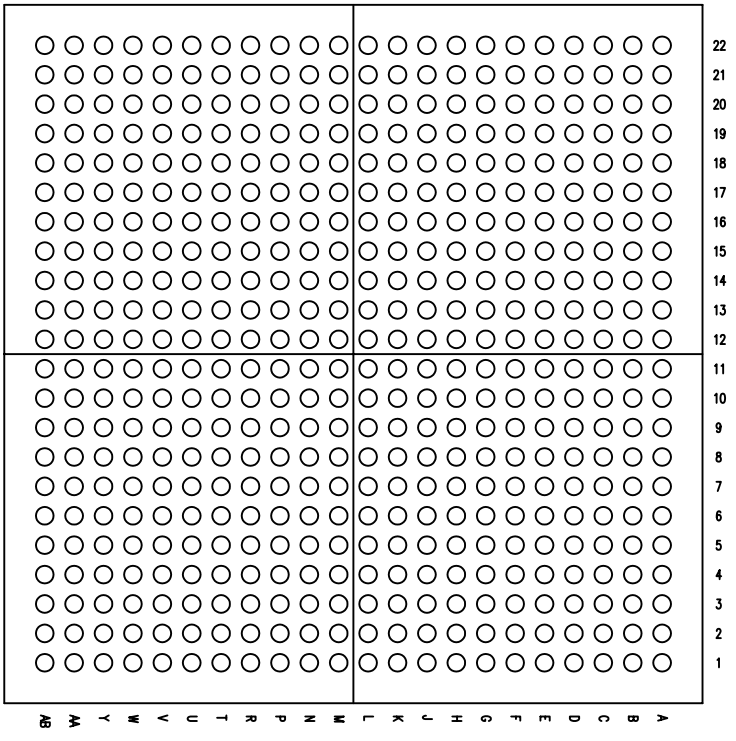
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	07/02/10	CK
01	COMBINE POD & LAND PATTERN	05/24/13	KS



(484 BALL SHOWN)

TOLERANCES UNLESS SPECIFIED DECIMAL ANGULAR ± XXXX XXXX±		www.IDT.com IDT™ 6024 SILVER CREEK VALLEY ROAD, SAN JOSE, CA 95138 PHONE: (408) 284-8200 FAX: (408) 284-3872	
APPROVALS DRAWN: CXC CHECKED:	DATE 07/02/10	TITLE A/JAG 484 PACKAGE OUTLINE 19.0 x 19.0 mm, 0.8mm PITCH FPRCA	SIZE C
DO NOT SCALE DRAWING		DRAWING NO. PSC-4316	REV 01
		SHEET 1 OF 3	

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	07/02/10	CK
01	COMBINE POD & LAND PATTERN	05/24/13	KS




(484 BALL)

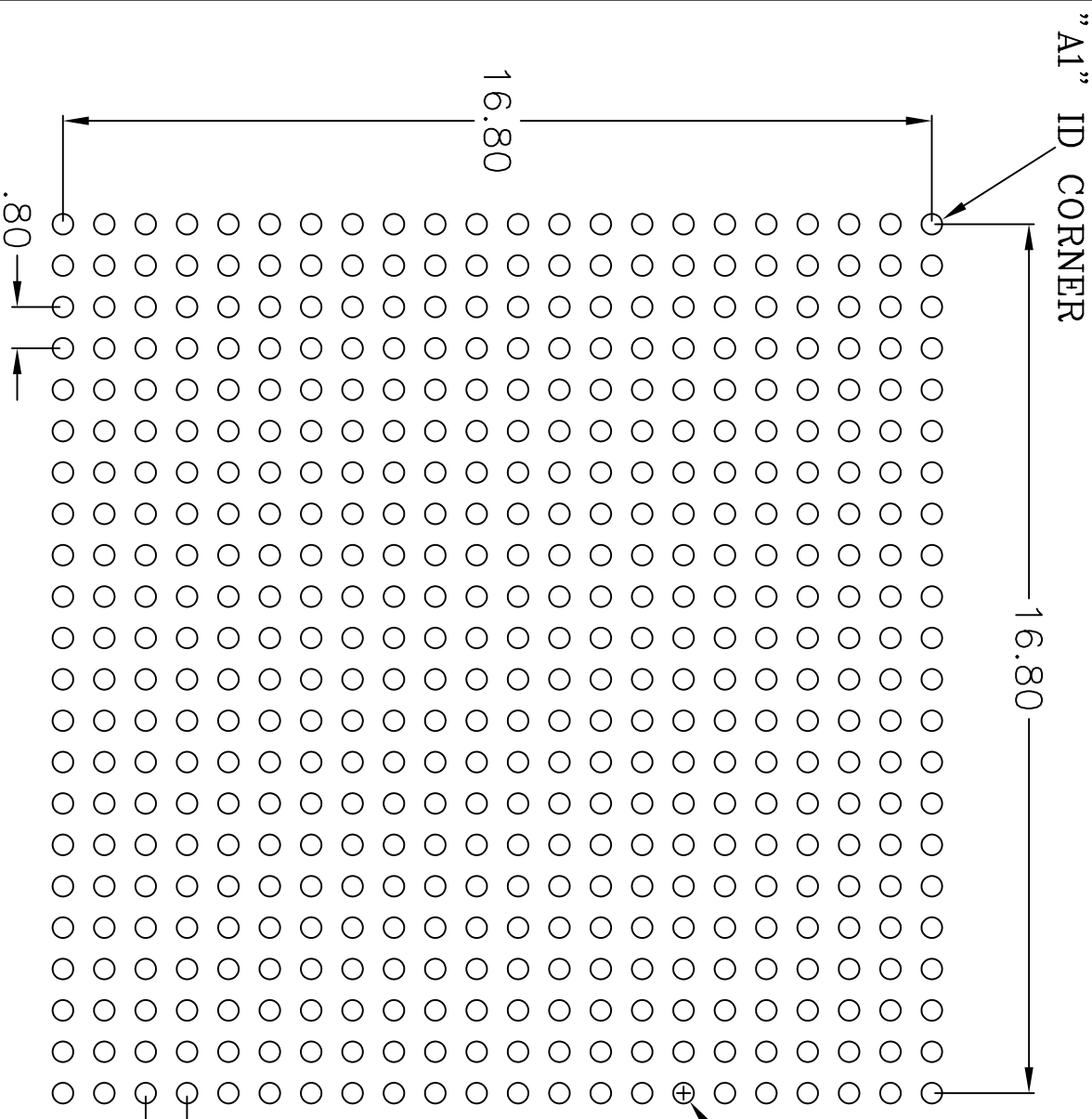
SYMBOL	JEDEC VARIATION			NOTE
	MO-205	MIN	NOM	
A	0.98	1.10	1.20	
A1	.25		.40	
D	19.00 BSC			
E	19.00 BSC			
M	22 X 22			3
N	484			4
e	.80 BSC			
b	.40	.45	.50	5
CENTER BALL MATRIX	N/A			

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
- △ DIMENSION "b" IS MEASURED AT THE MAXIMUM SOLDER BALL DIAMETER, PARALLEL TO PRIMARY DATUM $\boxed{-C-}$
- △ SEATING PLANE AND PRIMARY DATUM $\boxed{-C-}$ 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
- △ IF "A1" ID CORNER IS ON PACKAGE BODY, IT MUST BE LOCATED WITHIN THE ZONE INDICATED
- 9 ALL DIMENSIONS ARE IN MILLIMETERS

TOLERANCES UNLESS SPECIFIED DECIMAL ± ANGULAR ±		 6024 SILVER CREEK VALLEY ROAD, SAN JOSE, CA 95138 PHONE: (408) 294-8200 FAX: (408) 294-3572
APPROVALS DRAWN: GJC CHECKED:	DATE: 07/02/10 TITLE: A1/AIG 484 PACKAGE OUTLINE 19.0 x 19.0 mm, 0.8mm PITCH FPBGA	
SIZE: C DRAWING No.: PSC-4316	DO NOT SCALE DRAWING	REV: 01 SHEET 2 OF 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	07/02/10	CK
01	COMBINE POD & LAND PATTERN	05/24/13	KS



RECOMMENDED LAND PATTERN DIMENSION

TOLERANCES UNLESS SPECIFIED		 6024 SILVER CREEK VALLEY ROAD, SAN JOSE, CA 95138 PHONE: (408) 284-8200 FAX: (408) 284-3572 www.IDT.com	
DECIMAL	±	DATE	TITLE
ANGULAR	±	09/09/12	A1/A1G 484 PACKAGE OUTLINE 19.0 x 19.0 mm, 0.8mm PITCH FBGA
APPROVALS		CHECKED	SIZE
XXXXX			C
XXXX			DRAWING No.
XXXX			PSC-4316
			DO NOT SCALE DRAWING
			REV
			01
			SHEET 3 OF 3