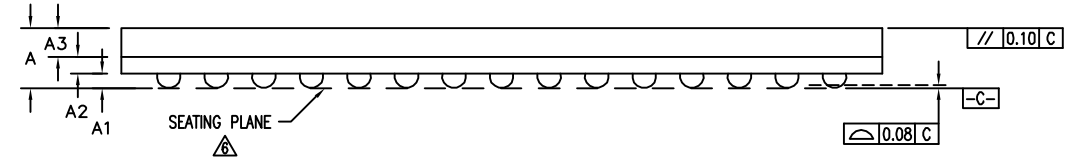
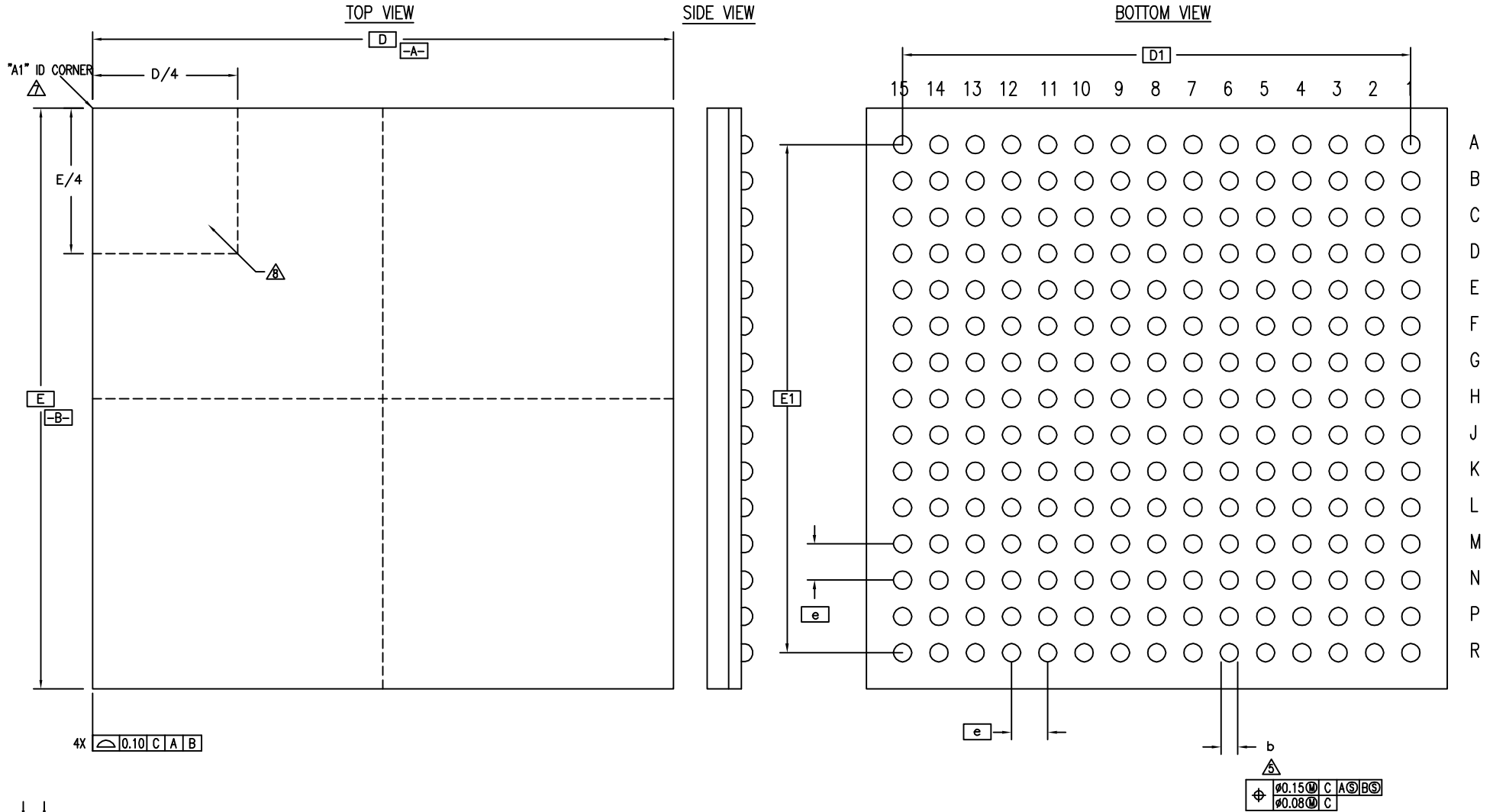


DATE		REVISIONS HISTORY		
CREATED	REV	DESCRIPTION	AUTHOR	
9/21/16	00	INITIAL RELEASE	CK LEE/RC	
3/27/17	01	CHANGE PACKAGE THICKNESS (BU REQUEST)	CK LEE	

NOTE: REFER TO DCP FOR OFFICIAL RELEASE DATE



TOLERANCES UNLESS OTHERWISE SPECIFIED  
 DECIMAL :  
 .X ±  
 .XX ±  
 .XXX ±  
 ANGLE : ±  
 ANGULAR : ±

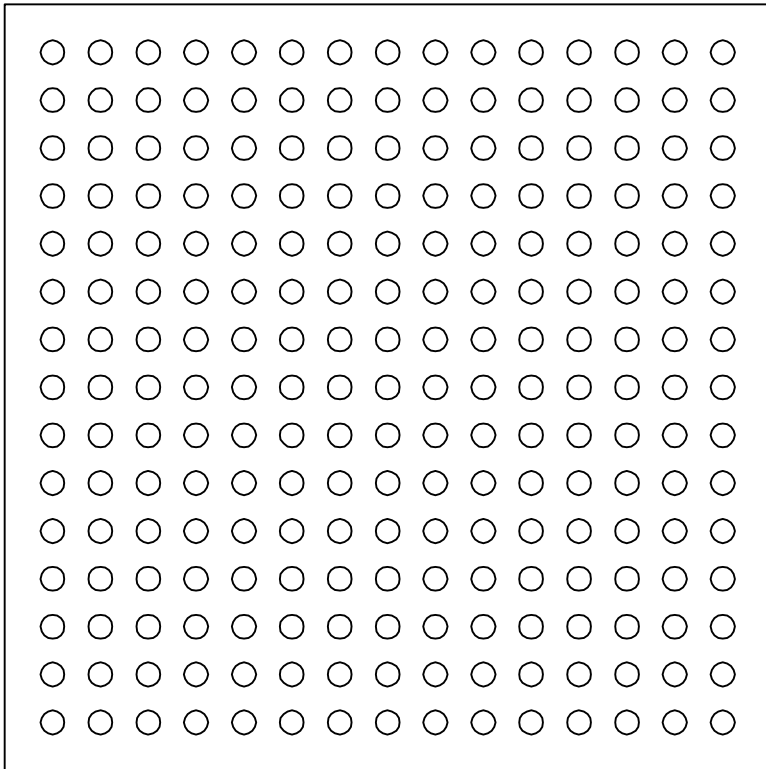
**IDT** 6024 Silver Creek Valley Road,  
 San Jose, CA 95138  
 PHONE: (408) 284-8200  
 FAX: (408) 284-3572  
[www.IDT.com](http://www.IDT.com)

TITLE: BD/BDC225 PACKAGE OUTLINE  
 8.0 X 8.0 mm BODY  
 0.50mm PITCH CTBGA

SIZE C	DRAWING NO. PSC-4672	REV 01
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DATE		REVISIONS HISTORY	
CREATED	REV	DESCRIPTION	AUTHOR
9/21/16	00	INITIAL RELEASE	CK LEE/RC
3/27/17	01	CHANGE PACKAGE THICKNESS (BU REQUEST)	CK LEE
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15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



A  
B  
C  
D  
E  
F  
G  
H  
J  
K  
L  
M  
N  
P  
R

(225 BALLS)

SYMBOL	JEDEC VARIATION			NOTE
	MO-205			
	MIN	NOM	MAX	
A	1.00	1.10	1.20	
A1	0.100	0.145	0.190	
A2	0.22	0.26	0.30	
A3	0.65	0.70	0.75	
D	7.90	8.00	8.10	
E	7.90	8.00	8.10	
D1	7.00 BSC			
E1	7.00 BSC			
M	15 X 15			3
N	225			4
e	0.50 BSC			
b	0.240	0.290	0.340	5
CENTER BALL MATRIX	N/A			

NOTES:

- ALL DIMENSIONING AND TOLERANCING CONFORM TO ANSI Y14.5M-1982
- "e" REPRESENTS THE BASIC SOLDER BALL GRID PITCH
- "M" REPRESENTS THE MAXIMUM SOLDER BALL MATRIX SIZE
- "N" REPRESENTS THE BALLCOUNT NUMBER
- DIMENSION "b" IS MEASURED AT THE MAXIMUM SOLDER BALL DIAMETER, PARALLEL TO PRIMARY DATUM
- SEATING PLANE AND PRIMARY DATUM 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
- ALL DIMENSIONS ARE IN MILLIMETERS

TOLERANCES UNLESS OTHERWISE SPECIFIED  
DECIMAL :  
.X ±  
.XX ±  
.XXX ±  
ANGLE : ±  
ANGULAR : ±



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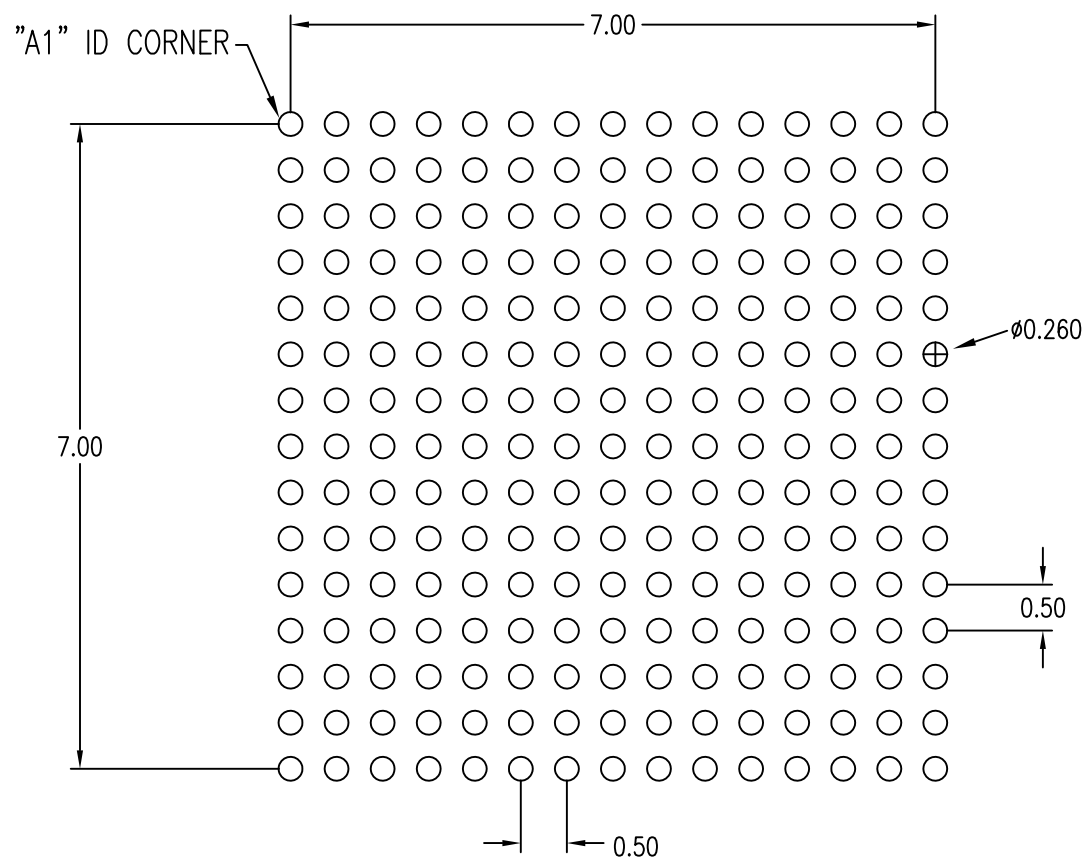
TITLE: BD/BDG225 PACKAGE OUTLINE  
8.0 X 8.0 mm BODY  
0.50mm PITCH CTBGA

SIZE	DRAWING NO.	REV
C	PSC-4672	01


DO NOT SCALE DRAWING SHEET 2 OF 3

DATE		REVISIONS HISTORY	
CREATED	REV	DESCRIPTION	AUTHOR
9/21/16	00	INITIAL RELEASE	CK LEE/RC
3/27/17	01	CHANGE PACKAGE THICKNESS (BU REQUEST)	CK LEE

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RECOMMENDED LAND PATTERN DIMENSION (mm)

TOLERANCES UNLESS OTHERWISE SPECIFIED		 <b>IDT</b> www.IDT.com	6024 Silver Creek Valley Road, San Jose, CA 95138 PHONE: (408) 284-8200 FAX: (408) 284-3572	
DECIMAL : .X ± .XX ± .XXX ± ANGLE : ± ANGULAR : ±			TITLE: BD/BDG225 PACKAGE OUTLINE 8.0 X 8.0 mm BODY 0.50mm PITCH CTBGA	
SIZE	DRAWING NO.	REV		
C	PSC-4672	01		
DO NOT SCALE DRAWING			SHEET 3 OF 3	