

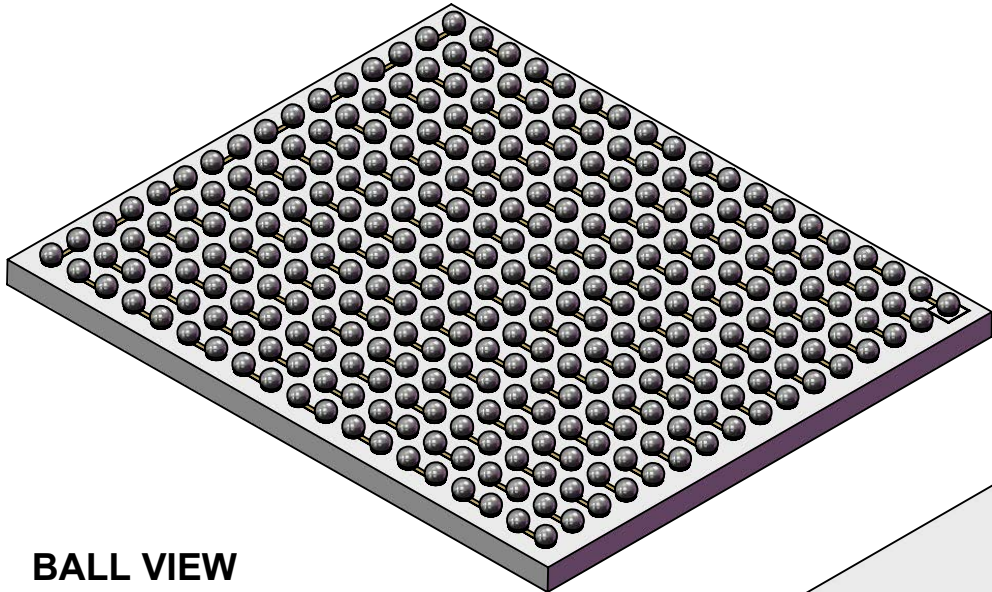




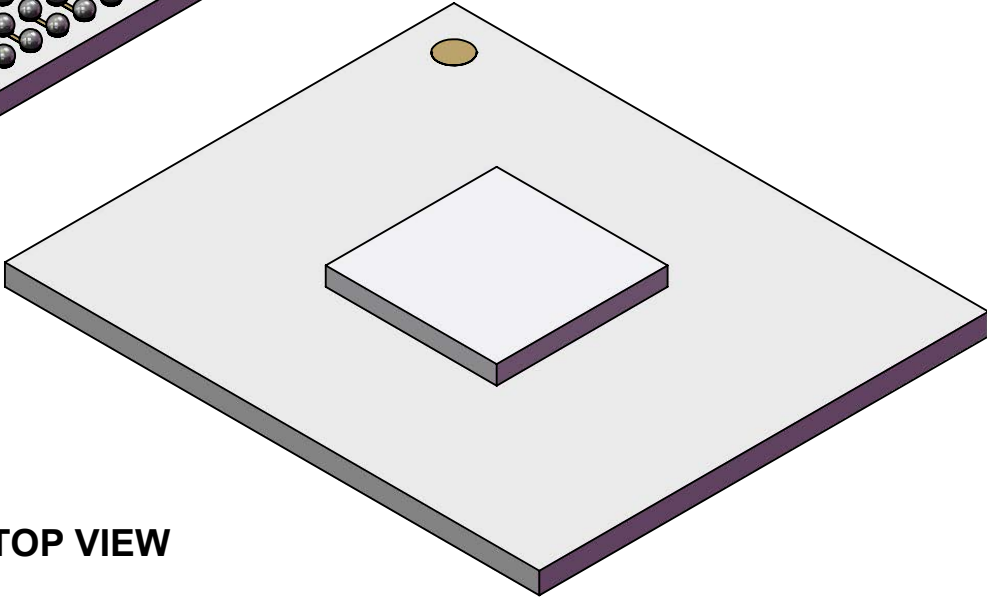




**MODEL  
CBGA WITH BALL  
WITH DIE**



**BALL VIEW**



**TOP VIEW**

<b>TopLine<sup>®</sup></b>			
TITLE      CBGA304T1.27Y-DC63 CERAMIC BALL GRID ARRAY			
SCALE	SIZE	DRAWING NO.	REV
4:1	A	520637	A
DO NOT SCALE DRAWING			SHEET 5 OF 6

# PART NUMBER SYSTEM

**CBGA**

**304**

**T**

**1.27**

**X**

**-**

**DC63**

**D**

**SERIES**

CBGA = CERAMIC  
BALL GRID ARRAY

**BALLS**

NBR SOLDER  
BALLS

**TRAY**

T = JEDEC

**PITCH**

1.27mm = 0.050"

**ALLOY**

L = Sn62/Pb36/Ag2.0  
X = Sn63/Pb37  
C = SAC305  
Blank = Sn10/Pb90

**DIE**

D = DUMMY DIE  
BLANK = WITHOUT DIE

**DAISY CHAIN**

DC63 = SEE PATTERN

PART NUMBER	BALL ALLOY	CODE	LEAD FREE	DIE
CBGA304T1.27-DC63	Sn10/Pb90	Sn10	NO	NO
CBGA304T1.27-DC63D	Sn10/Pb90	Sn10	NO	YES
CBGA304T1.27L-DC63	Sn62/Pb36/Ag2.0	Sn62	NO	NO
CBGA304T1.27L-DC63D	Sn62/Pb36/Ag2.0	Sn62	NO	YES
CBGA304T1.27X-DC63	Sn63/Pb37	Sn63	NO	NO
CBGA304T1.27X-DC63D	Sn63/Pb37	Sn63	NO	YES
CBGA304T1.27C-DC63	Sn96.5/Ag3.0/Cu0.5	SAC305	YES	NO
CBGA304T1.27C-DC63D	Sn96.5/Ag3.0/Cu0.5	SAC305	YES	YES

**TopLine**

TITLE CBGA304T1.27-DC63  
CERAMIC BALL GRID ARRAY

SCALE NONE	SIZE A	DRAWING NO. 520637	REV A
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DO NOT SCALE DRAWING

SHEET 6 OF 6