


SECTION A-A

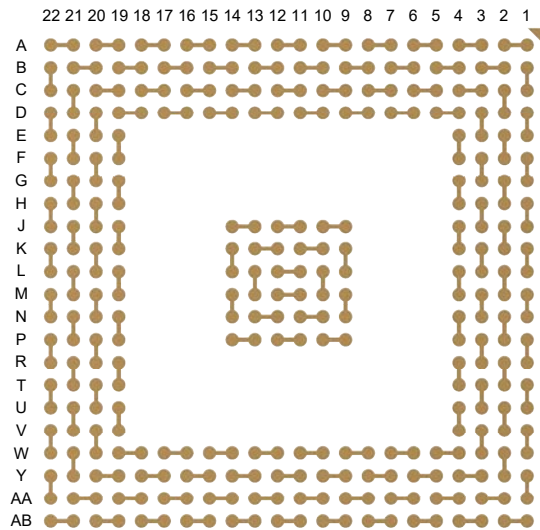
PART NUMBER TABLE

PART NUMBER	BALL ALLOY	BALL ALLOY	RoHS	Si DIE
SBGA324T1.0C-DC224D	Sn96.5/Ag3.0/Cu0.5	SAC305	YES	YES
SBGA324T1.0-DC224D	Sn63/Pb37	Sn63	NO	YES

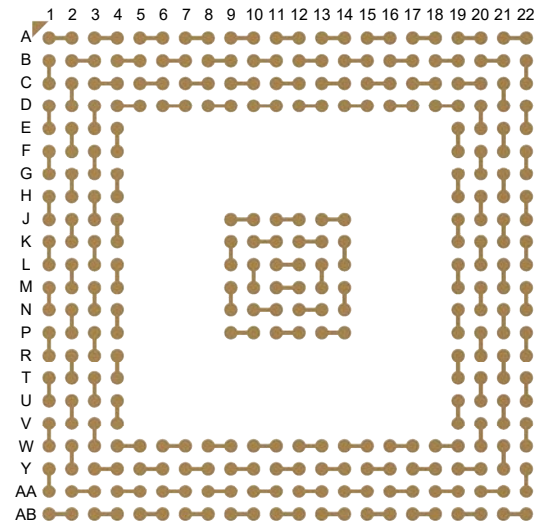
Notes: (Unless Otherwise Specified).

- 1) ALL DIMENSIONS ARE IN MM.
- 2) SOLDER BALL ALLOY: SEE PART NUMBER TABLE.
- 3) BALL DIAMETER (BEFORE REFLOW): $\phi 0.61$ mm [24 MIL].
- 4) SOLDER MASK DEFINED PAD OPENING: 0.508mm [20 MIL].
- 5) PAD Cu DIAMETER: 0.636mm [25 MIL].
- 6) SUBSTRATE: BT - CTE 10ppm/ $^{\circ}$ C Young's Modulus 27GPa.
- 7) DUMMY DIE 10 x 10mm (675 μ m Thick).
- 8) DAISY CHAIN PATTERN (SEE PAGE 2).
- 9) MSL-3 RECOMMENDED BAKING 24 HOURS @ 125 $^{\circ}$ C TO REMOVE MOISTURE PRIOR TO SOLDERING TO PC BOARD.

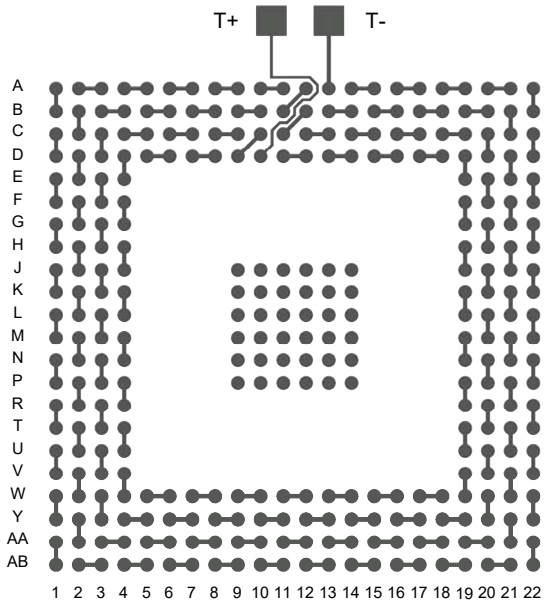
APPROVALS		DATE				
DRAWN	T. Au	5/25/2025				
ENG	M. Hart	5/25/2025	TITLE			
MFG			SBGA324T1.0C-DC224D DAISY CHAIN DUMMY			
QA			SCALE	SIZE	DRAWING NO.	REV
CUST			3.5:1	A	512245	B
REVISED			DO NOT SCALE DRAWING			SHEET 1 OF 5



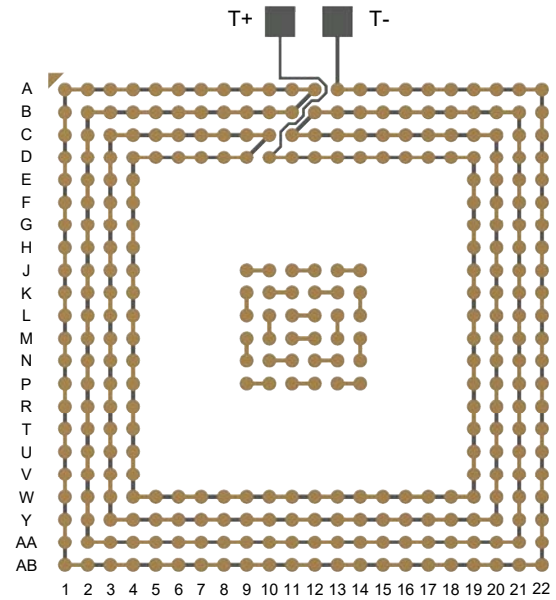
BALL VIEW



BOTTOM SIDE
(TOP X-RAY VIEW)



TEST VEHICLE
BOARD



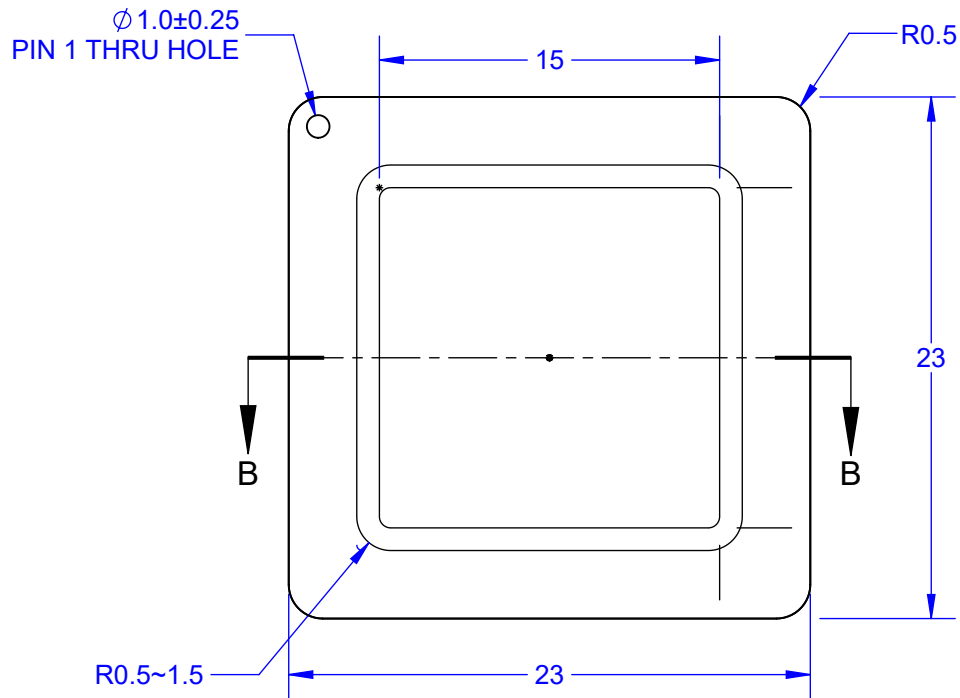
AFTER MOUNTING

Notes:

- 1) PCB BOARD DIMENSIONS ARE PRESENTED ONLY AS A GUIDELINE. DESIGNERS SHOULD USE THEIR OWN EXPERIENCE WHEN DESIGNING PCB.
- 2) PCB Cu BALL PAD DIAMETER 0.636mm (25 MIL).
- 3) PCB DAISY CHAIN TRACING LINE WIDTH 0.203mm (8 MIL).
- 4) SMD (SOLDER MASK DEFINED) PAD OPENING 0.508mm (20 MIL).

TopLine®

TITLE		SBGA324T1.0C-DC224D DAISY CHAIN DUMMY	
SCALE	SIZE	DRAWING NO.	REV
3:1	A	512245	B
DO NOT SCALE DRAWING			SHEET 2 OF 5

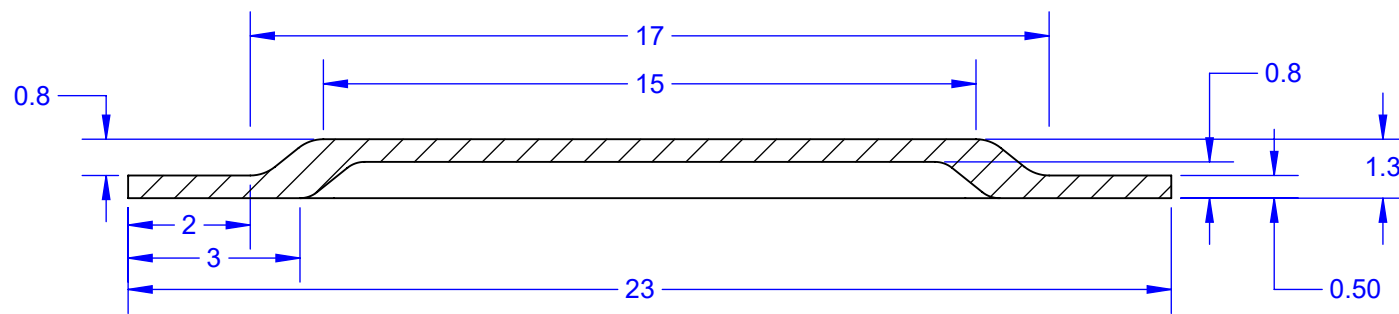


TOP

MODEL



CAVITY



SECTION B-B
SCALE 6 : 1

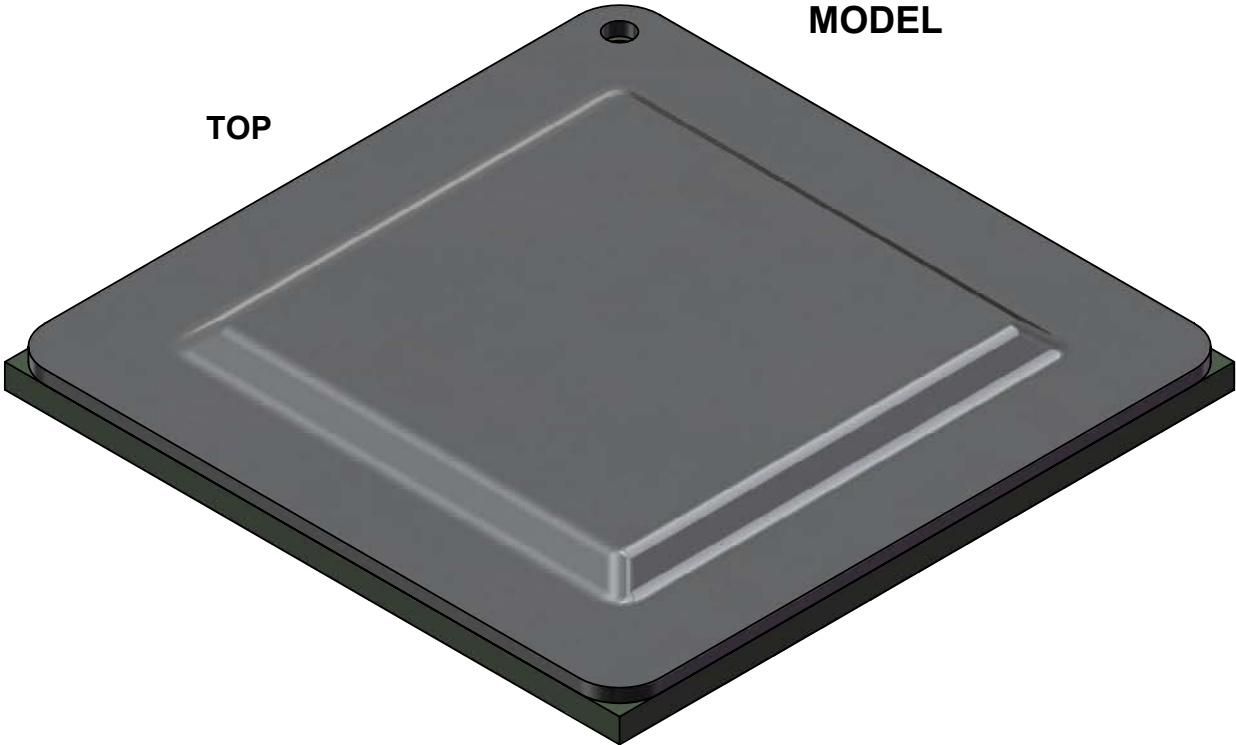
NOTE:

- 1) DIMENSION mm.
- 2) MATERIAL: OXYGEN FREE, 1/2H C1020 or C1100.

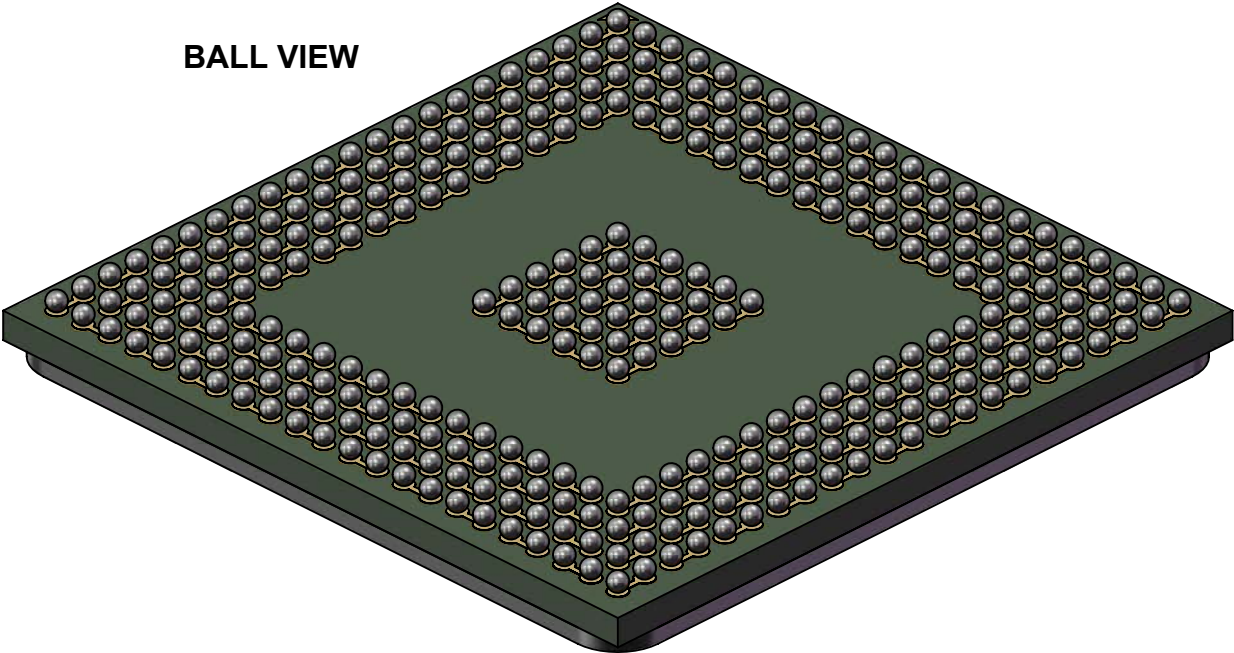
TopLine®			
TITLE		SBGA324T1.0C-DC224D DAISY CHAIN DUMMY	
SCALE	SIZE	DRAWING NO.	REV
3:1	A	512245	B
DO NOT SCALE DRAWING			SHEET 3 OF 5

MODEL

TOP



BALL VIEW



TopLine®

TITLE SBGA324T1.0C-DC224D
DAISY CHAIN DUMMY

SCALE 5:1	SIZE A	DRAWING NO. 512245	REV B
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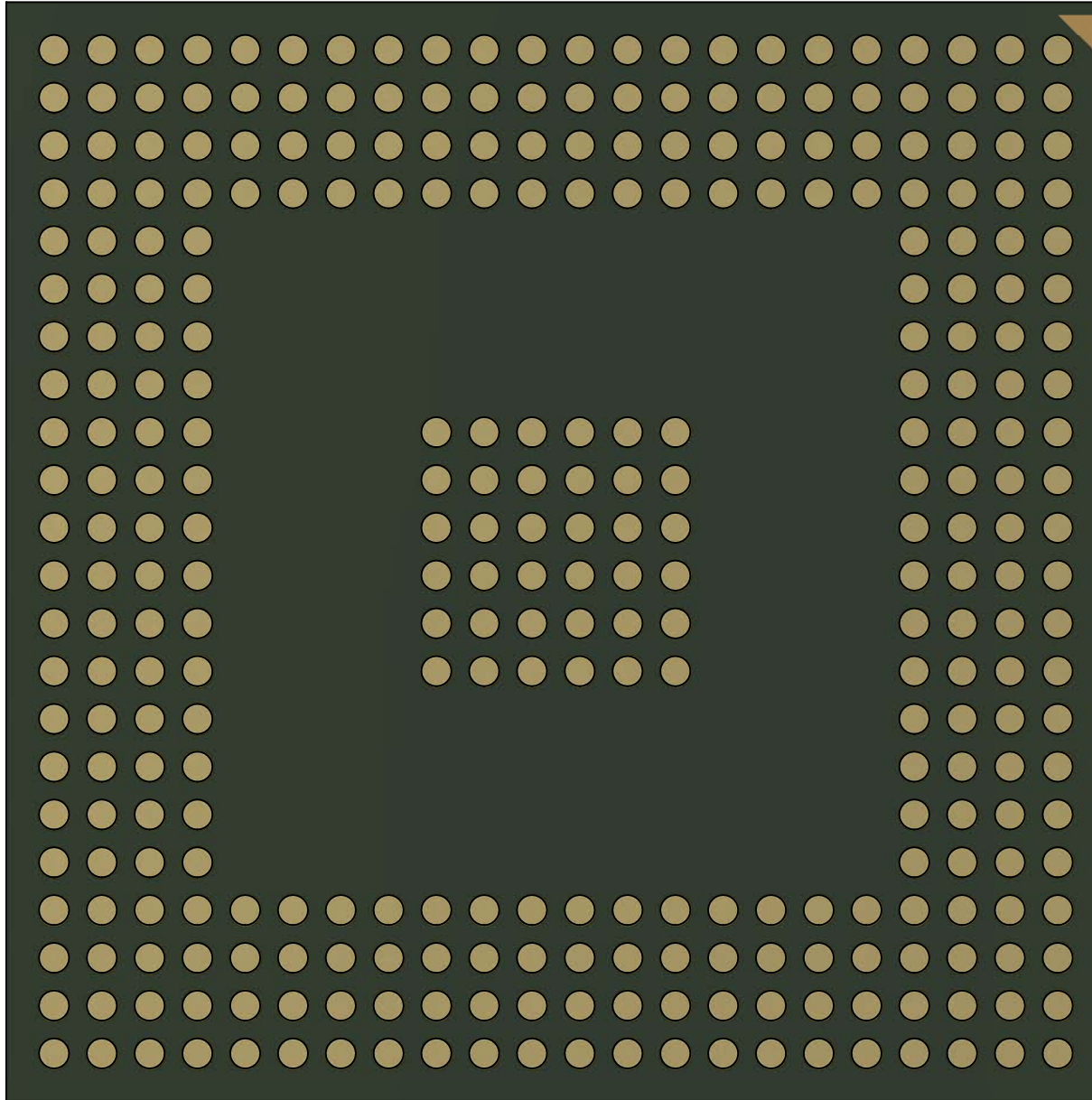
DO NOT SCALE DRAWING

SHEET 4 OF 5

**BOTTOM SOLDER MASK
(RIGHT READING)**

22 21 20 19 18 17 16 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
T
U
V
W
Y
AA
AB



TopLine®			
TITLE		SBGA324T1.0C-DC224D DAISY CHAIN DUMMY	
SCALE	SIZE	DRAWING NO.	REV
7:1	A	512245	B
DO NOT SCALE DRAWING			SHEET 5 OF 5