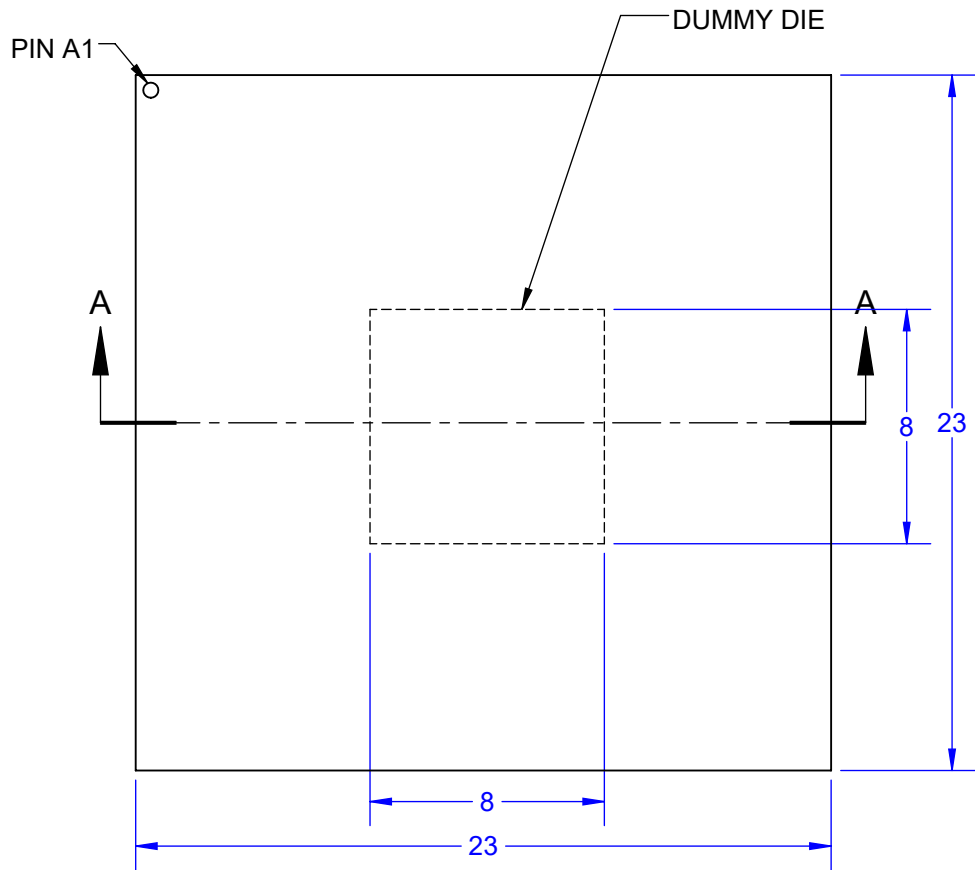
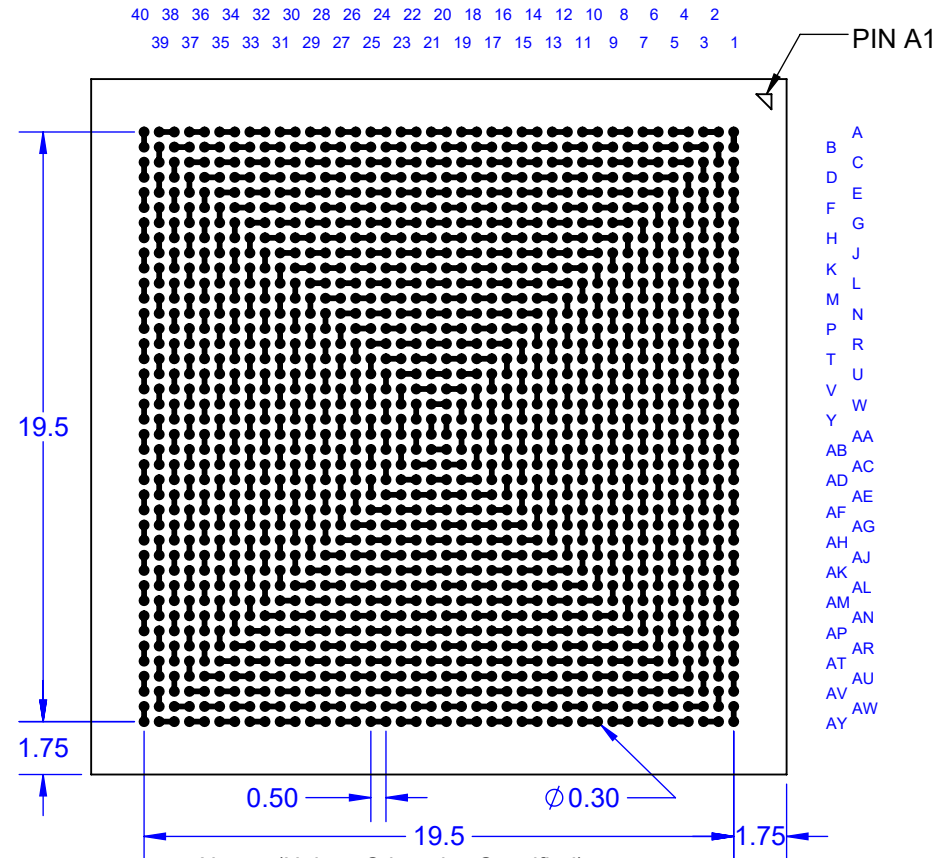


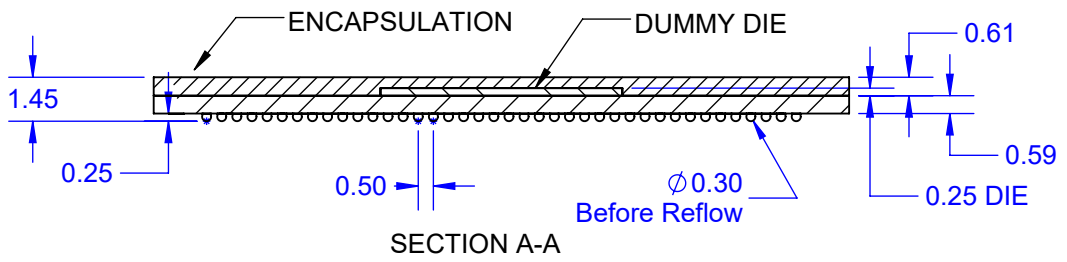
TOP VIEW



BALL VIEW



- Notes: (Unless Otherwise Specified).
- 1) ALL DIMENSIONS ARE IN MM.
 - 2) SOLDER BALL ALLOY: SEE PART NUMBER TABLE.
 - 3) BALL DIAMETER (BEFORE REFLOW): 0.30mm (12 MIL).
 - 4) SOLDER MASK DEFINED PAD OPENING: 0.25mm (10 MIL).
 - 5) PAD Cu DIAMETER: 0.355mm (14 MIL).
 - 6) SUBSTRATE MATERIAL: BT.
 - 7) DUMMY DIE IS OPTIONAL.
 - 8) DAISY CHAIN PATTERN (SEE PAGE 2).
 - 9) MSL-3 RECOMMENDED BAKING 24 HOURS @ 125°C TO REMOVE MOISTURE PRIOR SOLDERING TO PC BOARD.

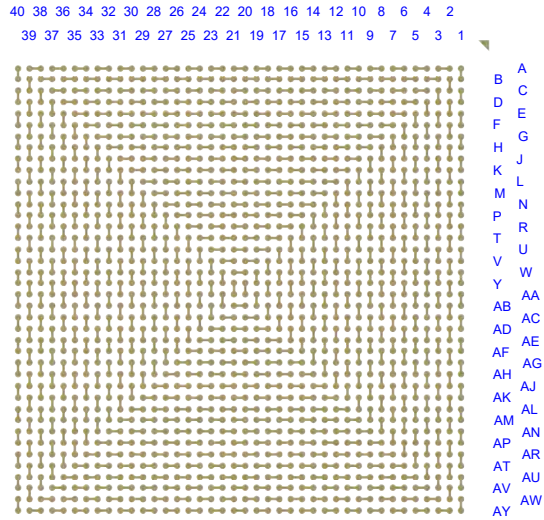


SECTION A-A

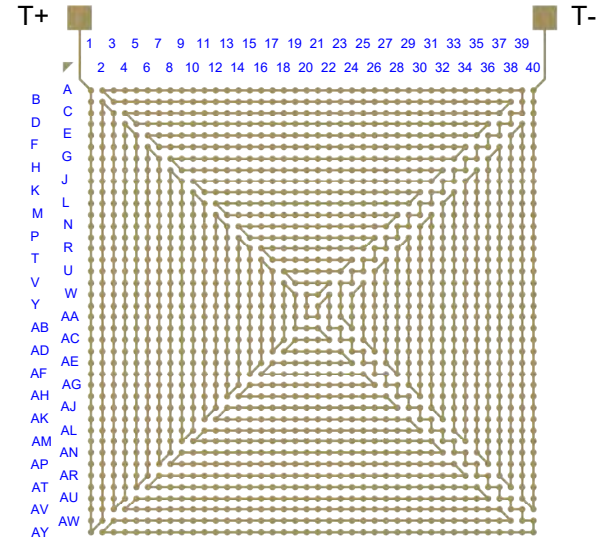
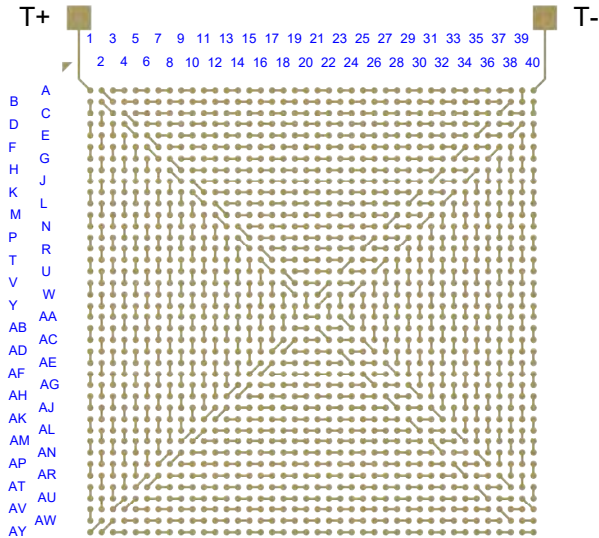
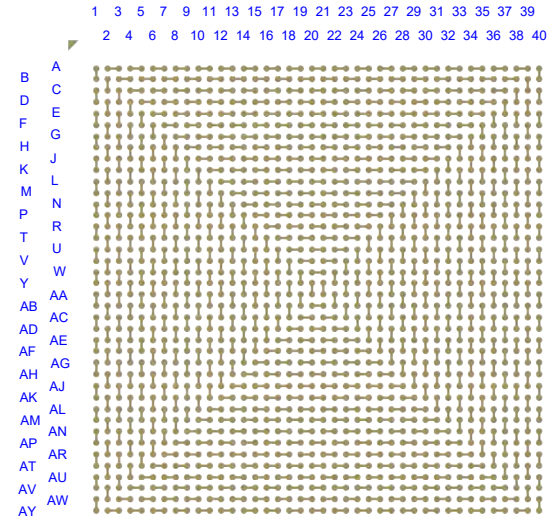
PART NUMBER TABLE				
PART NUMBER	BALL ALLOY	Pb-Free	RoHS	Si DIE
BGA1600T.5C-DC409D	Sn96.5/Ag3.0/Cu0.5	YES	YES	YES
BGA1600T.5-DC409D	Sn63/Pb37	NO	NO	YES

APPROVALS	DATE	TopLine®		
DRAWN T. Au	11/30/2023			
ENG M. Hart	11/30/2023	TITLE		BGA1600T.5C-DC409D DAISY CHAIN DUMMY
MFG		SCALE	SIZE	DRAWING NO.
QA		4:1	A	554091
CUST				REV A
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 0.355mm (14 MIL).
- 3) PCB DAISY CHAIN TRACING LINE WIDTH 0.127mm (5 MIL).
- 4) SMD (SOLDER MASK DEFINED) PAD OPENING: 0.25mm (10 MIL).

TopLine®

TITLE BGA1600T.5C-DC409D
DAISY CHAIN DUMMY

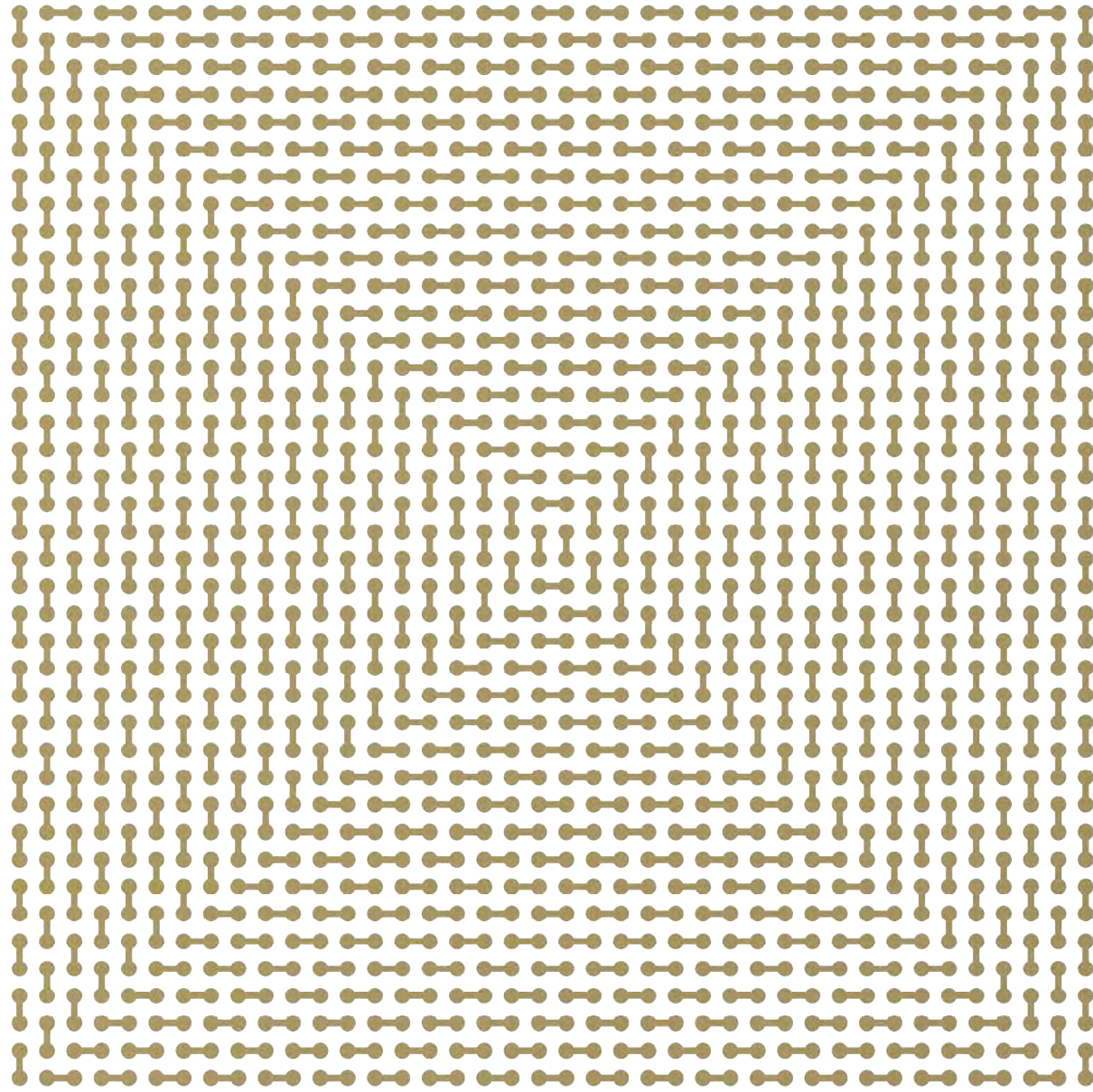
SCALE 4:1	SIZE A	DRAWING NO. 554091	REV A
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DO NOT SCALE DRAWING

SHEET 2 OF 5

BALL VIEW

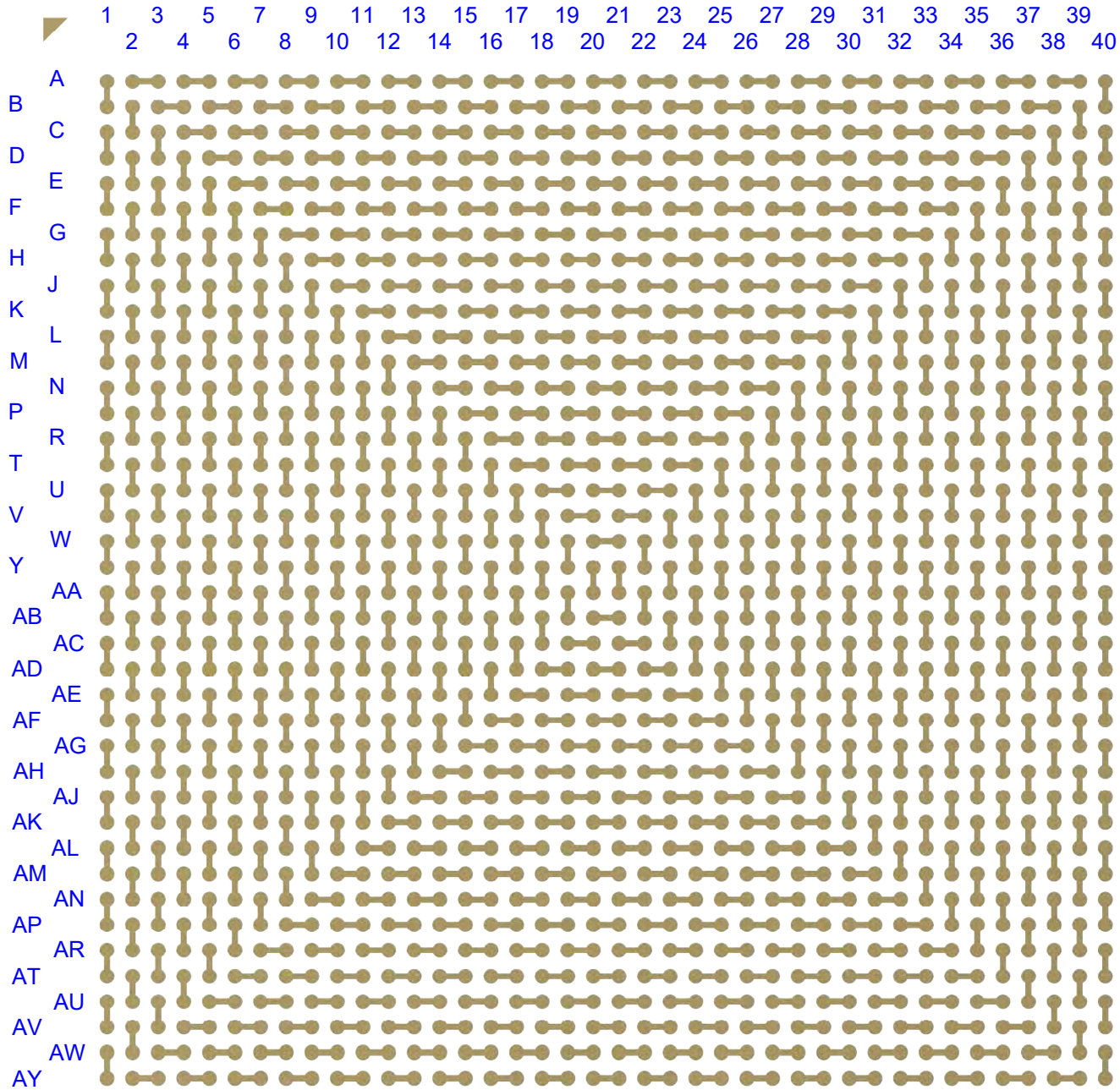
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 39 37 35 33 31 29 27 25 23 21 19 17 15 13 11 9 7 5 3 1



A
 B
 C
 D
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 F
 G
 H
 J
 K
 L
 M
 N
 P
 R
 T
 U
 V
 W
 Y
 AA
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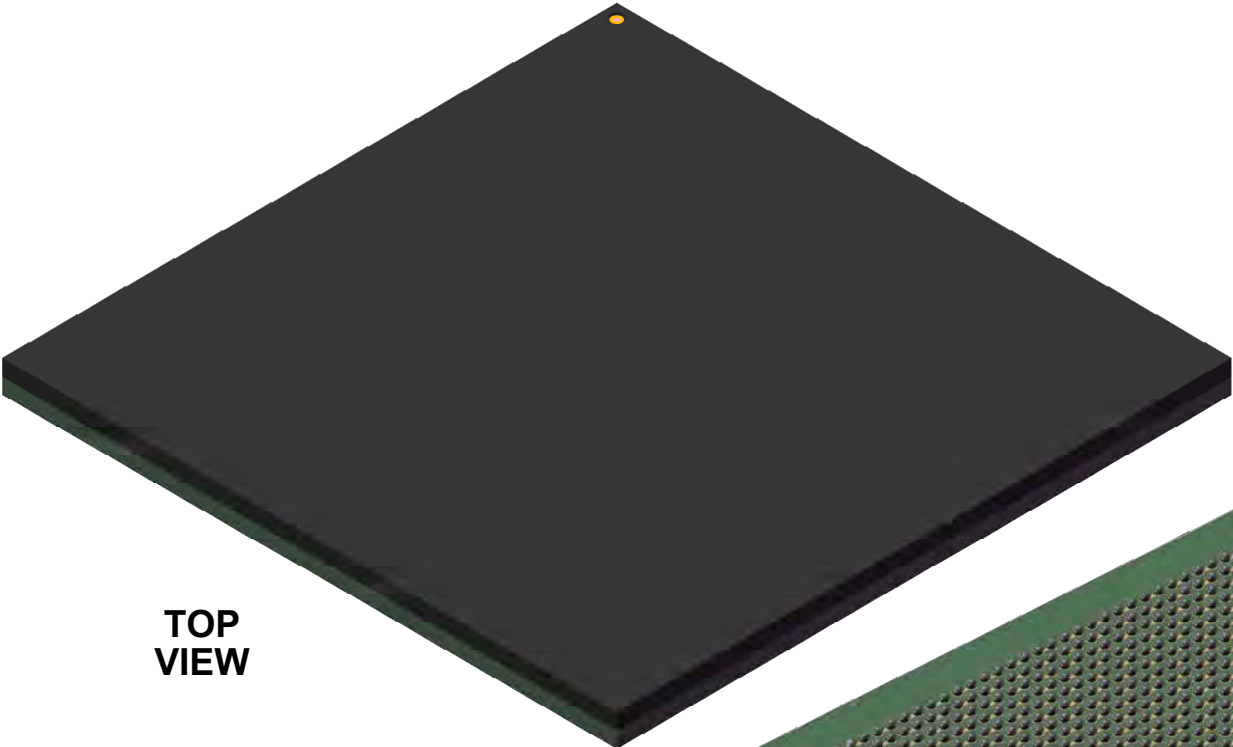
TopLine®			
TITLE BGA1600T.5C-DC409D DAISY CHAIN DUMMY			
SCALE 8:1	SIZE A	DRAWING NO. 554091	REV A
DO NOT SCALE DRAWING			SHEET 3 OF 5

BOTTOM SIDE (TOP X-RAY VIEW)

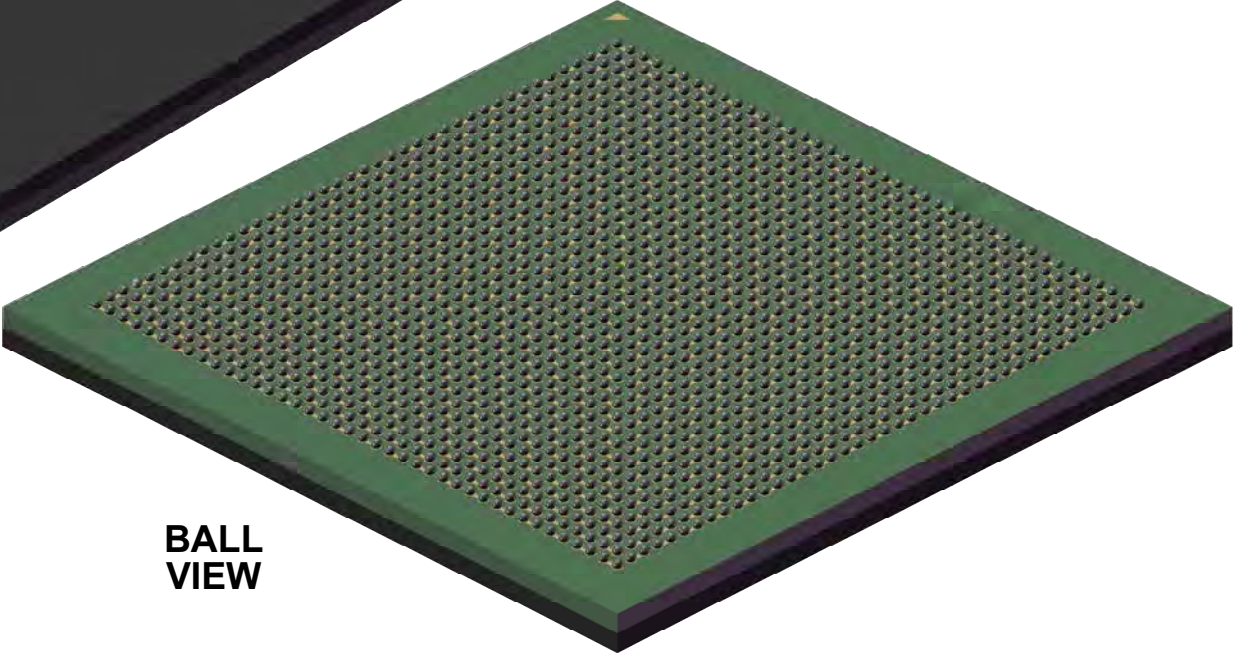


TopLine®			
TITLE		BGA1600T.5C-DC409D DAISY CHAIN DUMMY	
SCALE	SIZE	DRAWING NO.	REV
8:1	A	554091	A
DO NOT SCALE DRAWING			SHEET 4 OF 5

MODELS



**TOP
VIEW**



**BALL
VIEW**

TopLine®			
TITLE		BGA1600T.5C-DC409D DAISY CHAIN DUMMY	
SCALE	SIZE	DRAWING NO.	REV
5:1	A	554091	A
DO NOT SCALE DRAWING			SHEET 5 OF 5