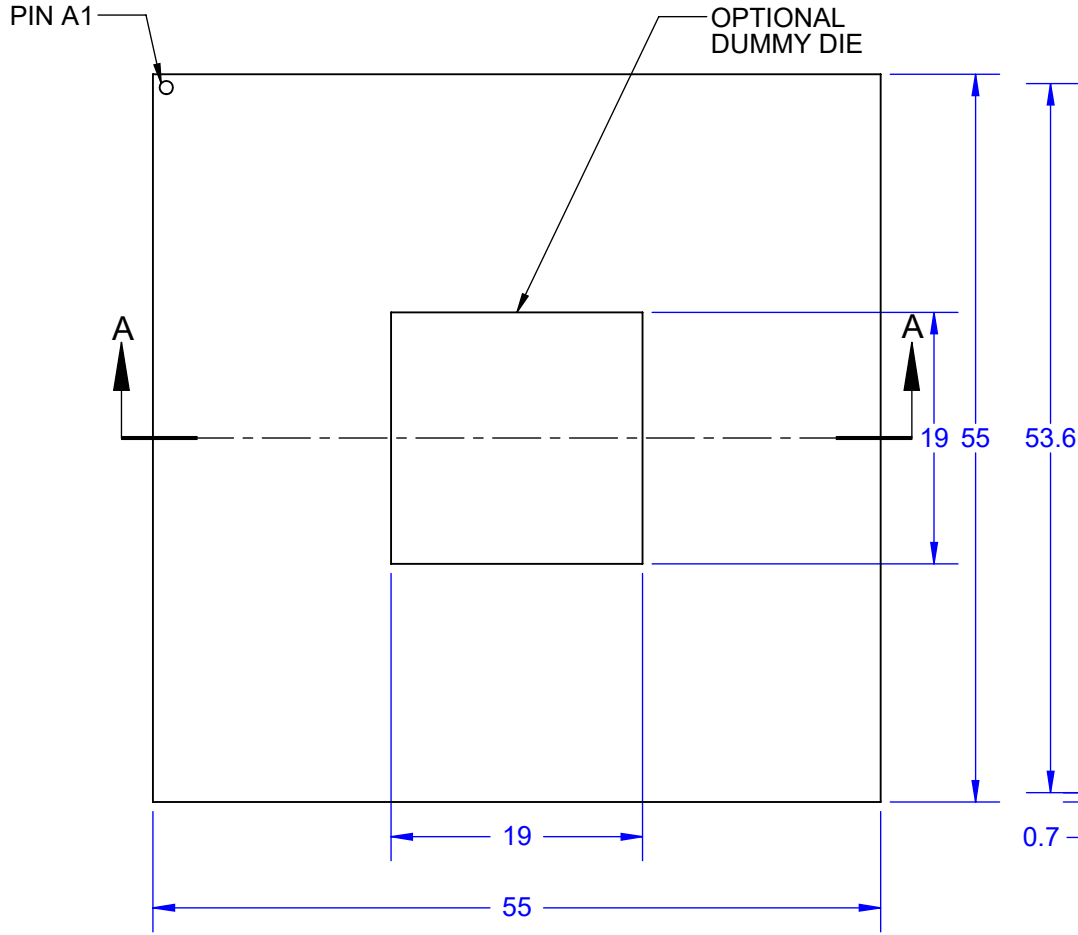


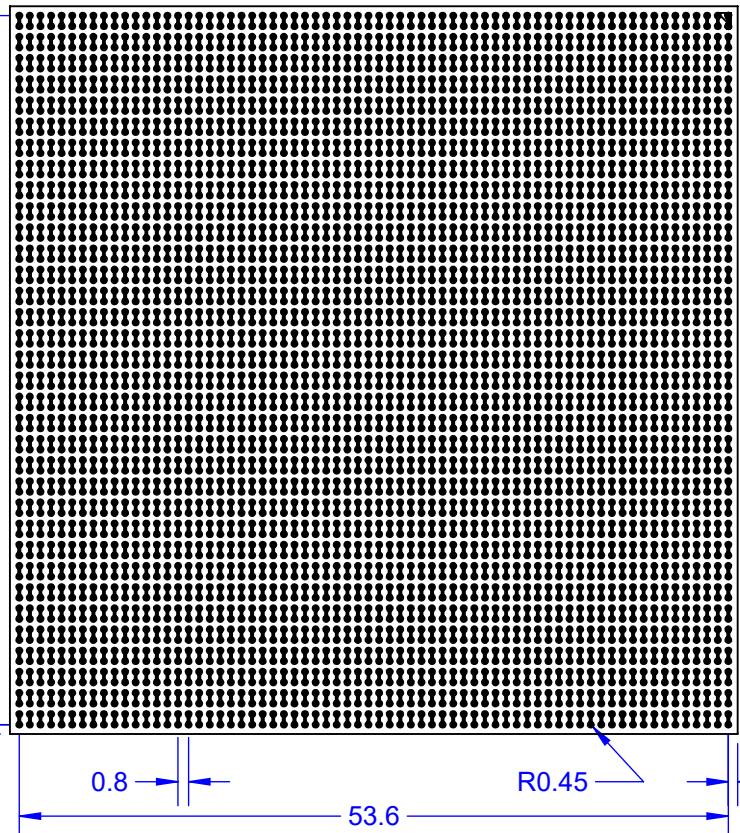
TOP VIEW



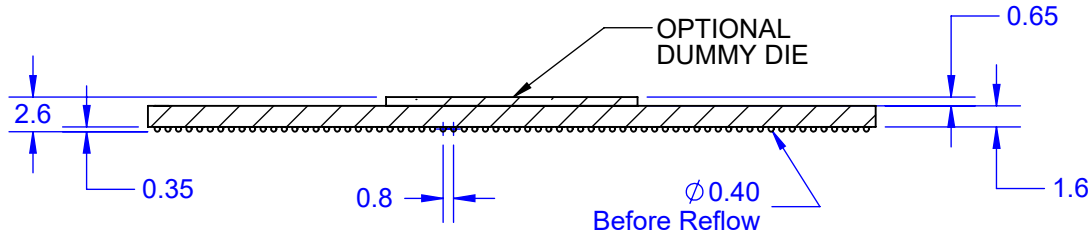
BALL VIEW

68 66 64 62 60 58 56 54 52 50 48 46 44 42 40 38 36 34 32 30 28 26 24 22 20 18 16 14 12 10 8 6 4 2

67 65 63 61 59 57 55 53 51 49 47 45 43 41 39 37 35 33 31 29 27 25 23 21 19 17 15 13 11 9 7 5 3 1



A B C D E F G H J K L M N P R U V W X Y AA AB AC AD AE AG AJ AL AN AR AU AW BA BB BC BE BF BG BH BJ BK BL BN BR BU BV BY CA CB CC CE CG



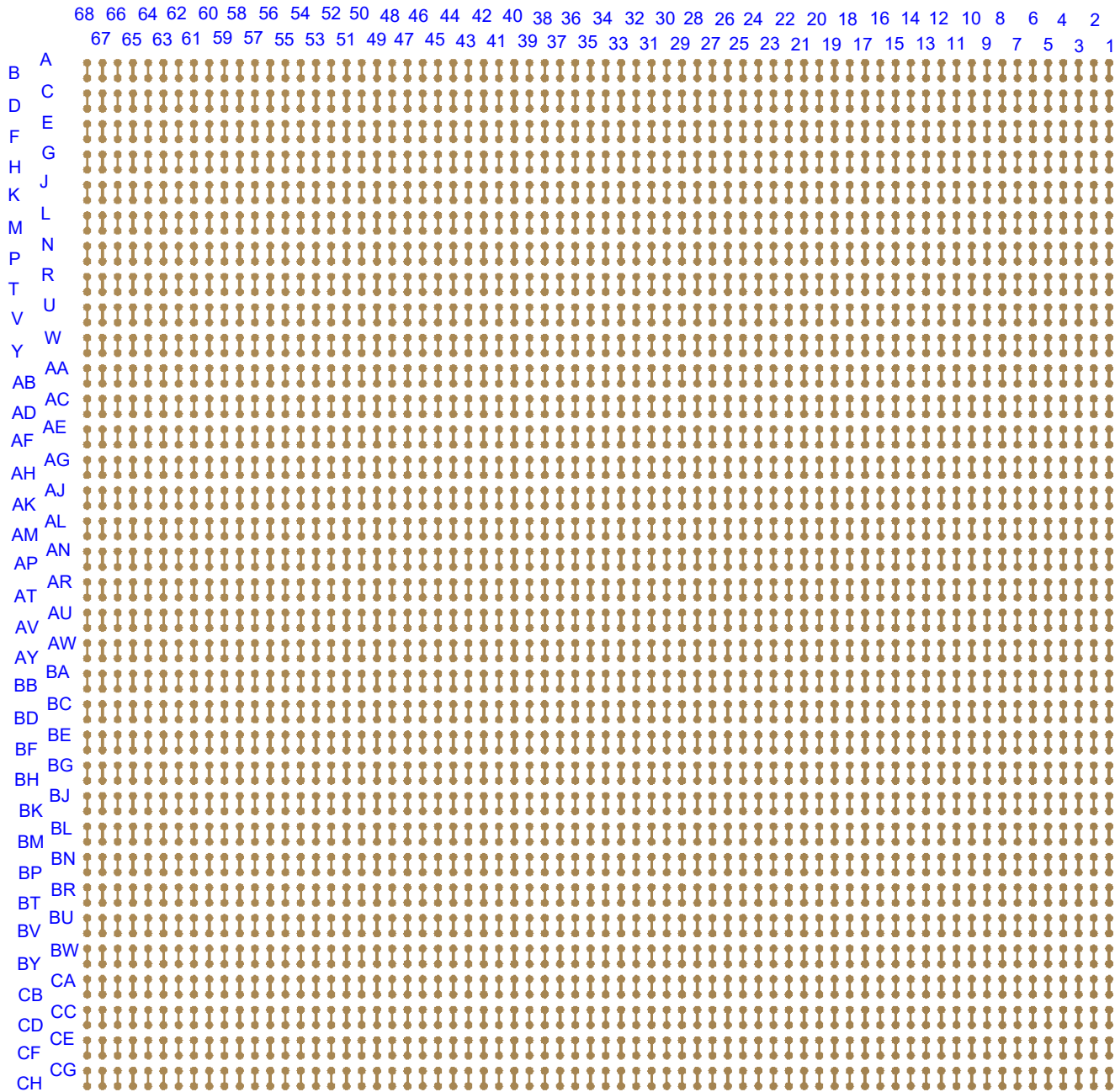
SECTION A-A

- Notes: (Unless Otherwise Specified).
- 1) ALL DIMENSIONS ARE IN MM.
  - 2) SOLDER BALL ALLOY: SEE PART NUMBER TABLE.
  - 3) BALL DIAMETER (BEFORE REFLOW): 0.40mm (16 MIL).
  - 4) SOLDER MASK DEFINED PAD OPENING: 0.33mm (13 MIL).
  - 5) PAD Cu DIAMETER: 0.46mm (18 MIL).
  - 6) SUBSTRATE MATERIAL: BT (ALTERNATE FR4).
  - 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.

PART NUMBER TABLE

PART NUMBER	BALL ALLOY	Pb-Free	RoHS	Si DIE
LBGA4624T.8C-DC688	Sn96.5/Ag3.0/Cu0.5	YES	YES	NO
LBGA4624T.8C-DC688D	Sn96.5/Ag3.0/Cu0.5	YES	YES	YES
LBGA4624T.8-DC688	Sn63/Pb37	NO	NO	NO
LBGA4624T.8-DC688D	Sn63/Pb37	NO	NO	YES

APPROVALS	DATE				
DRAWN T. Au	9/19/2012				
ENG M. Hart	9/19/2021	TITLE LBGA4624T.8C-DC688D DAISY CHAIN DUMMY			
MFG		SCALE 1.75:1	SIZE A	DRAWING NO. 586881	REV A
QA					
CUST					
REVISED		DO NOT SCALE DRAWING			SHEET 1 OF 5



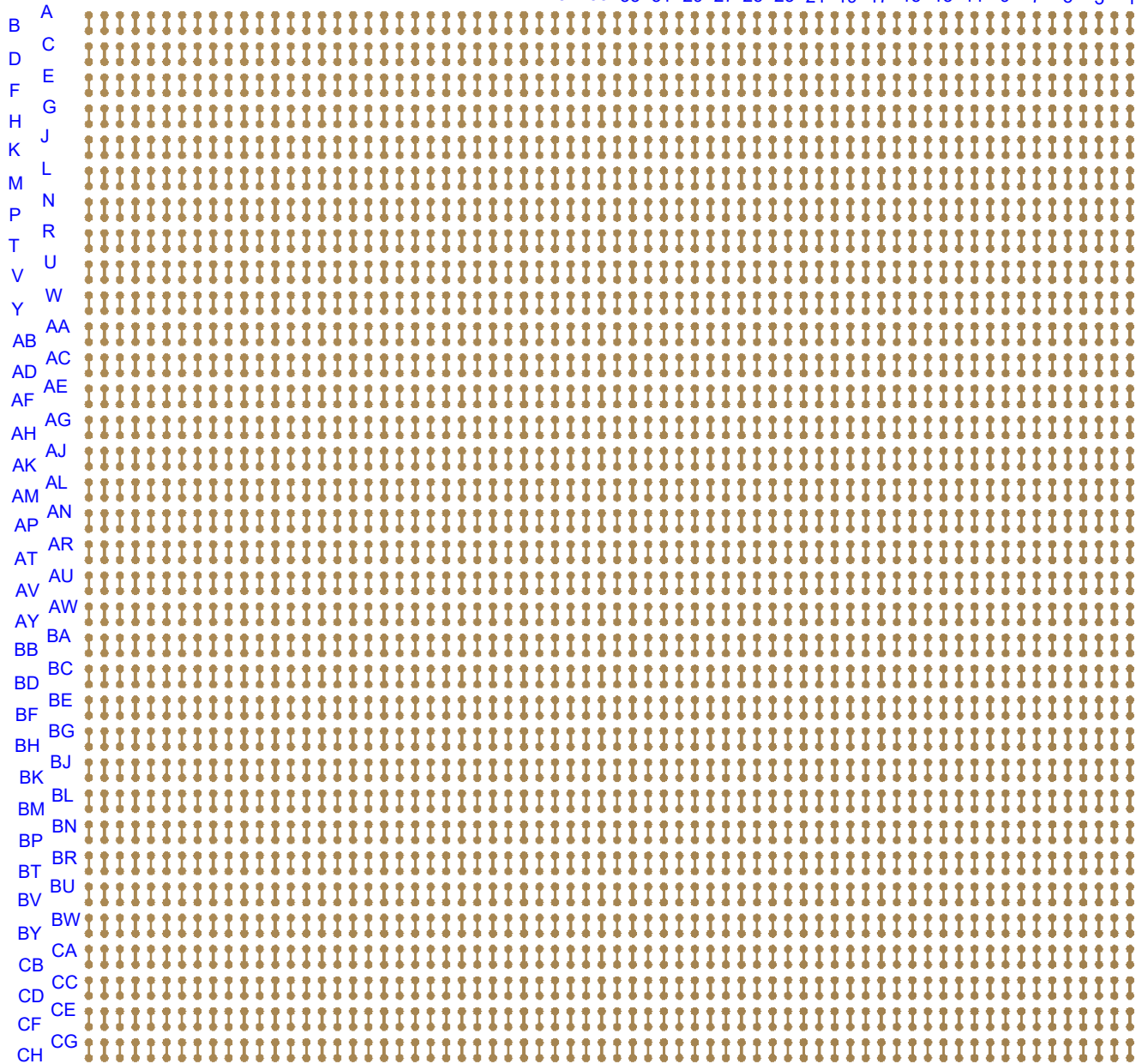
# BALL VIEW

**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 0.46 (18 MIL).
- 3) PCB DAISY CHAIN TRACING LINE WIDTH 0.152mm (6 MIL).
- 4) SMD (SOLDER MASK DEFINED) PAD OPENING: 0.356mm (14 MIL).

<b>TopLine®</b>			
TITLE		LBGA4624T.8C-DC688D DAISY CHAIN DUMMY	
SCALE	SIZE	DRAWING NO.	REV
1.75:1	A	586881	A
DO NOT SCALE DRAWING			SHEET 2 OF 5

68 66 64 62 60 58 56 54 52 50 48 46 44 42 40 38 36 34 32 30 28 26 24 22 20 18 16 14 12 10 8 6 4 2  
 67 65 63 61 59 57 55 53 51 49 47 45 43 41 39 37 35 33 31 29 27 25 23 21 19 17 15 13 11 9 7 5 3 1

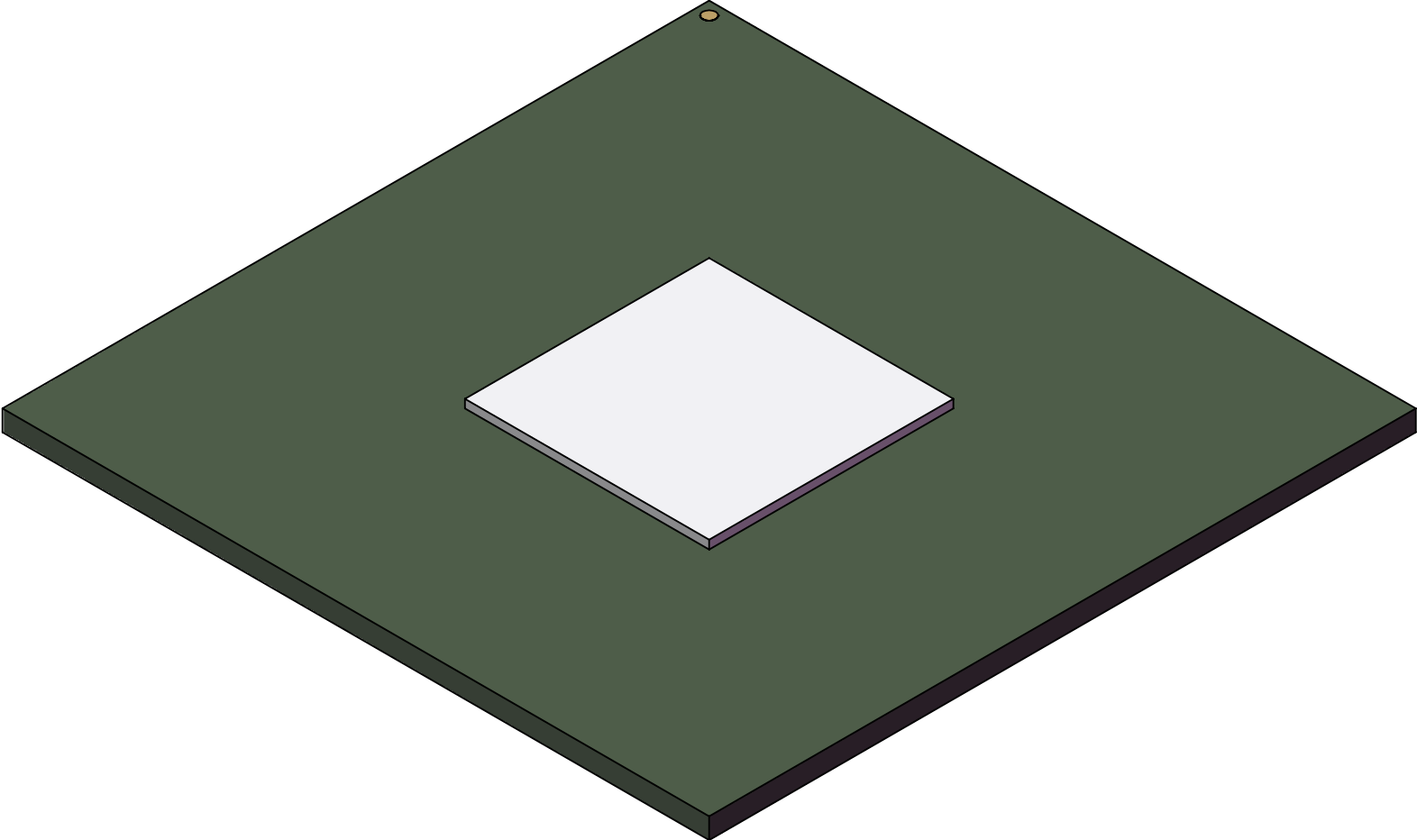


**BOTTOM SIDE  
 (TOP X-RAY VIEW)**

<b>TopLine®</b>			
TITLE		LBGA4624T.8C-DC688D DAISY CHAIN DUMMY	
SCALE	SIZE	DRAWING NO.	REV
1.75:1	A	586881	A
DO NOT SCALE DRAWING			SHEET 3 OF 5

MODEL  
TOP

T-



**TopLine**<sup>®</sup>

TITLE LBGA4624T.8C-DC688D  
DAISY CHAIN DUMMY

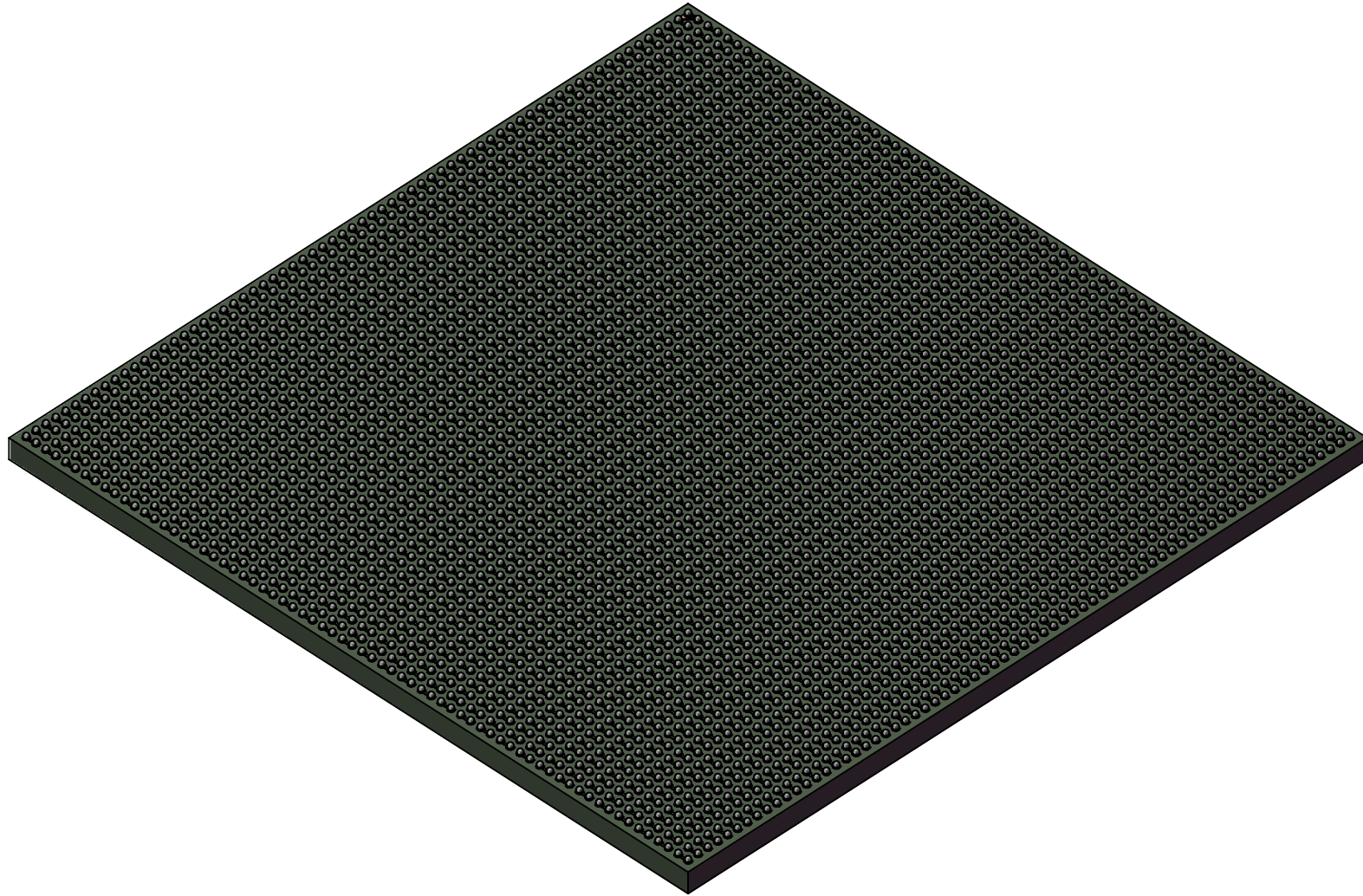
SCALE 1.75:1	SIZE A	DRAWING NO. 586881	REV A
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DO NOT SCALE DRAWING

SHEET 4 OF 5

MODEL  
BALL VIEW

T-



**TopLine**<sup>®</sup>

TITLE LBGA4624T.8C-DC688D  
DAISY CHAIN DUMMY

SCALE 1.75:1	SIZE A	DRAWING NO. 586881	REV A
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DO NOT SCALE DRAWING

SHEET 5 OF 5