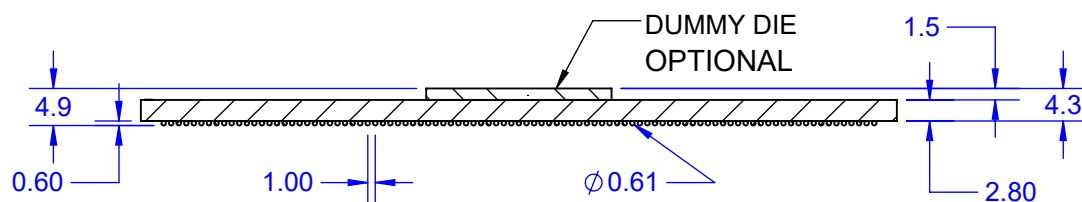
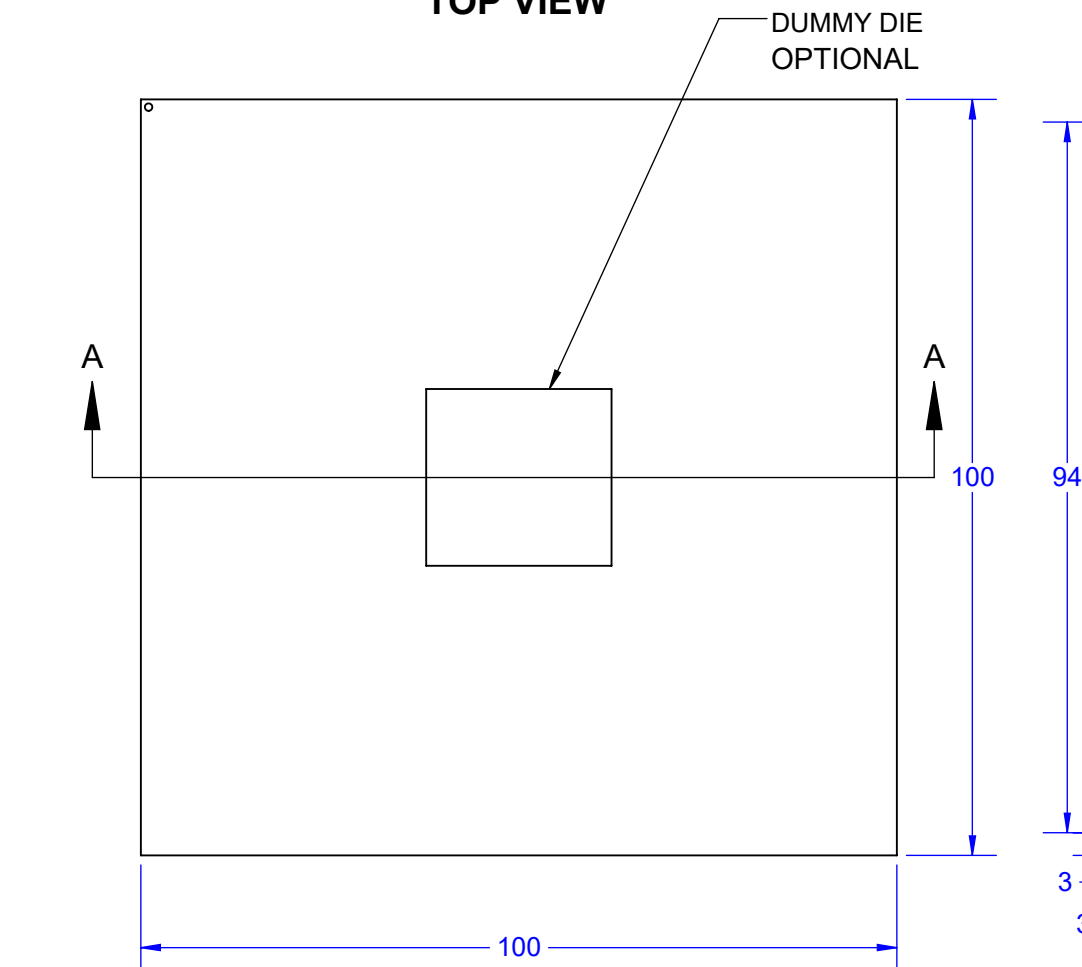


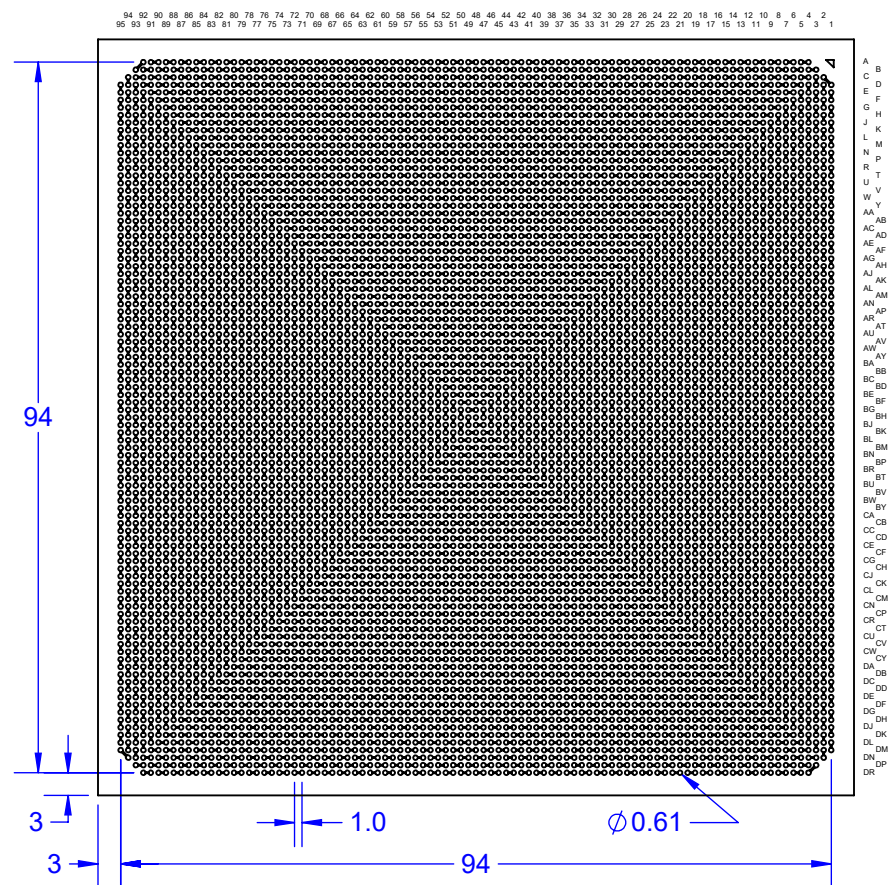
TOP VIEW

BOTTOM VIEW



SECTION A-A

PART NUMBER TABLE				
PART NUMBER	BALL ALLOY	BALL ALLOY	RoHS	Si DIE
LBGA8989T1.0C-DC959D	Sn96.5/Ag3.0/Cu0.5	SAC305	YES	YES
LBGA8989T1.0-DC959D	Sn63/Pb37	Sn63	NO	YES

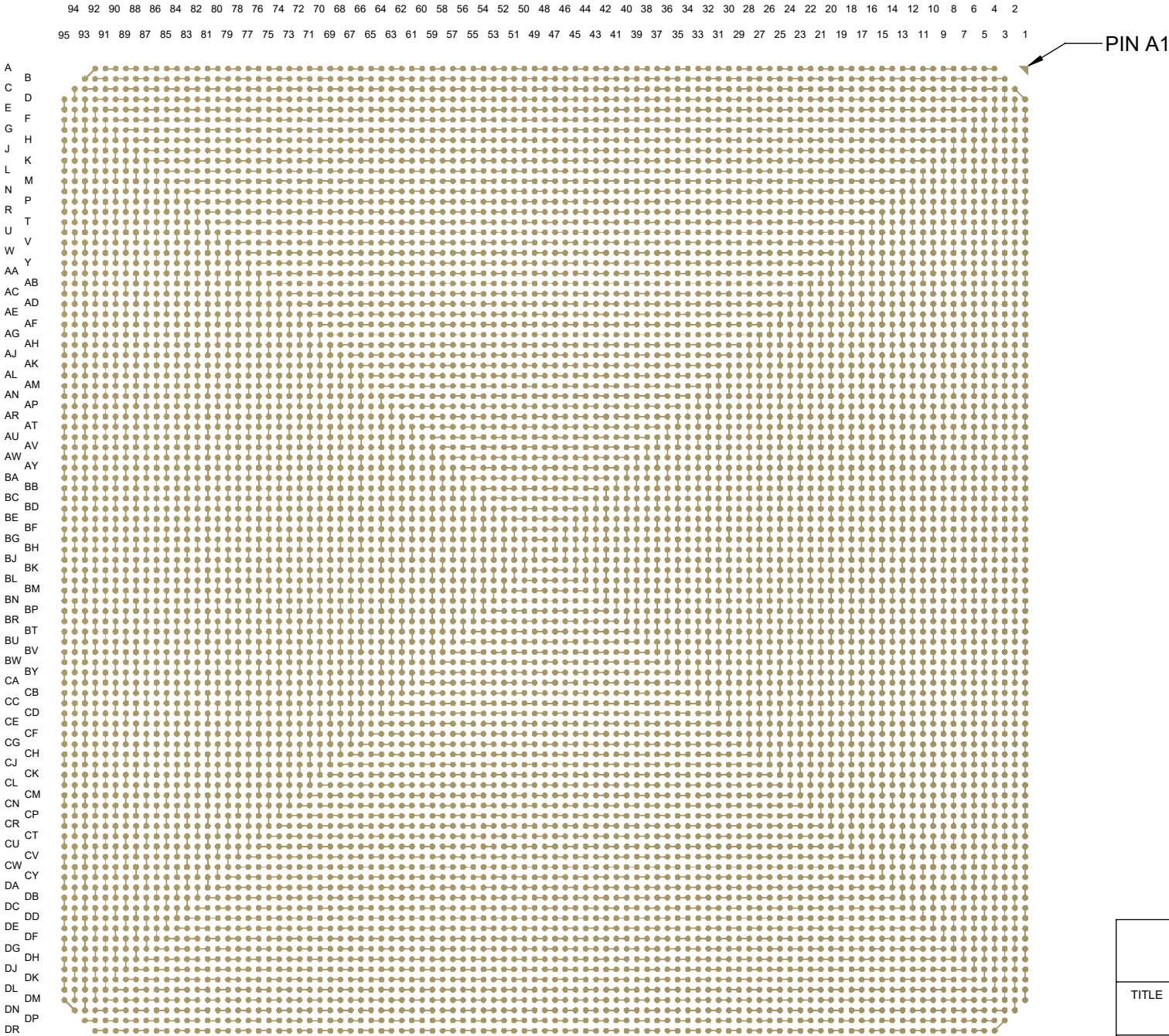


Notes: (Unless Otherwise Specified).

- 1) ALL DIMENSIONS ARE IN MM.
- 2) SOLDER BALL ALLOY: SEE PART NUMBER TABLE.
- 3) BALL DIAMETER (BEFORE REFLOW): $\varnothing 0.61\text{mm}$ (24 MIL).
- 4) SOLDER MASK DEFINED PAD OPENING: 0.50mm (19.7 MIL).
- 5) PAD Cu DIAMETER: 0.635mm (25 MIL).
- 6) SUBSTRATE MATERIAL: ORGANIC.
- 7) DUMMY DIE Si (SILICON) $24.5 \times 23.4\text{mm}$ (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.

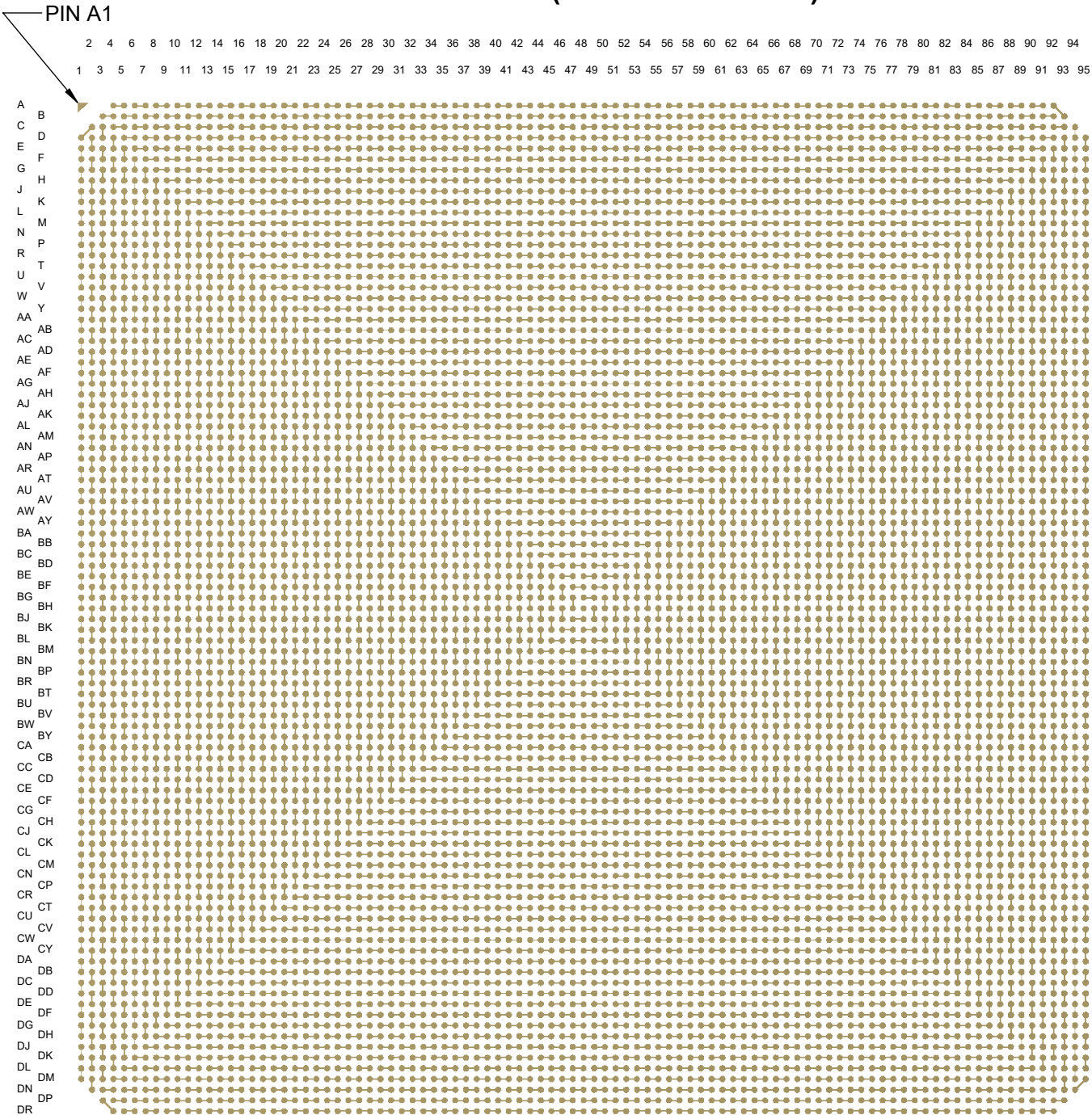
APPROVALS	DATE				
DRAWN T.Au	6/15/2022				
ENG M. Hart	6/15/2022	TITLE LBGA8989T1.0-DC959D DAISY CHAIN DUMMY			
MFG					
QA		SCALE 1:1	SIZE A	DRAWING NO. 519591	REV A
CUST					
REVISED		DO NOT SCALE DRAWING			SHEET 1 OF 5

BALL VIEW



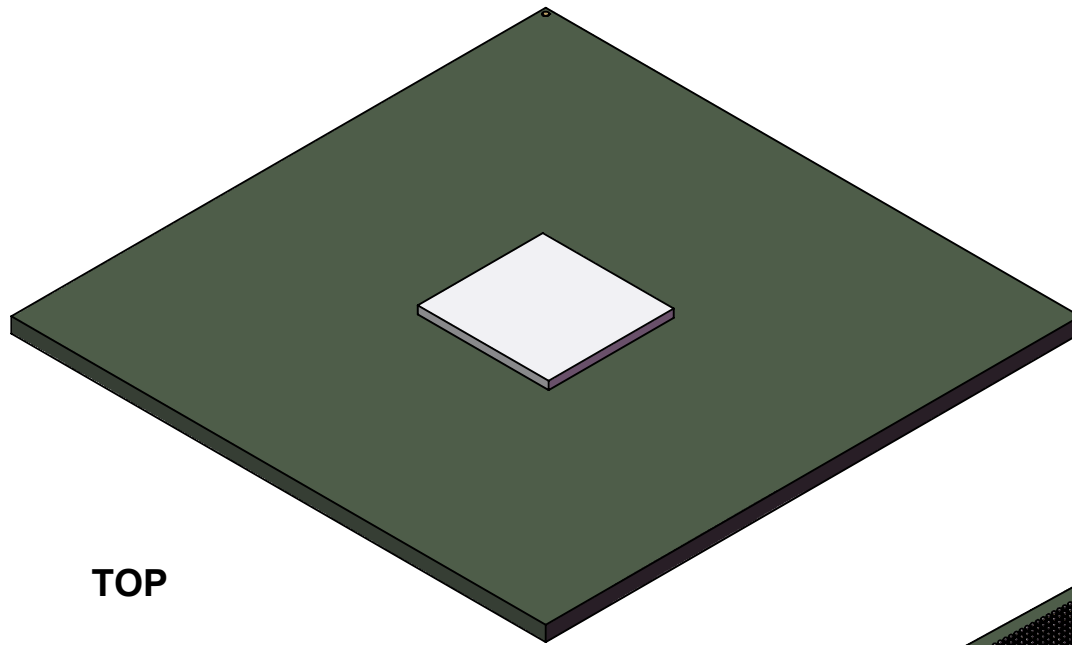
TopLine®			
TITLE LBGA8989T1.0-DC959D DAISY CHAIN DUMMY			
SCALE 1.75:1	SIZE A	DRAWING NO. 519591	REV A
DO NOT SCALE DRAWING			SHEET 2 OF 5

BOTTOM SIDE (TOP X-RAY VIEW)

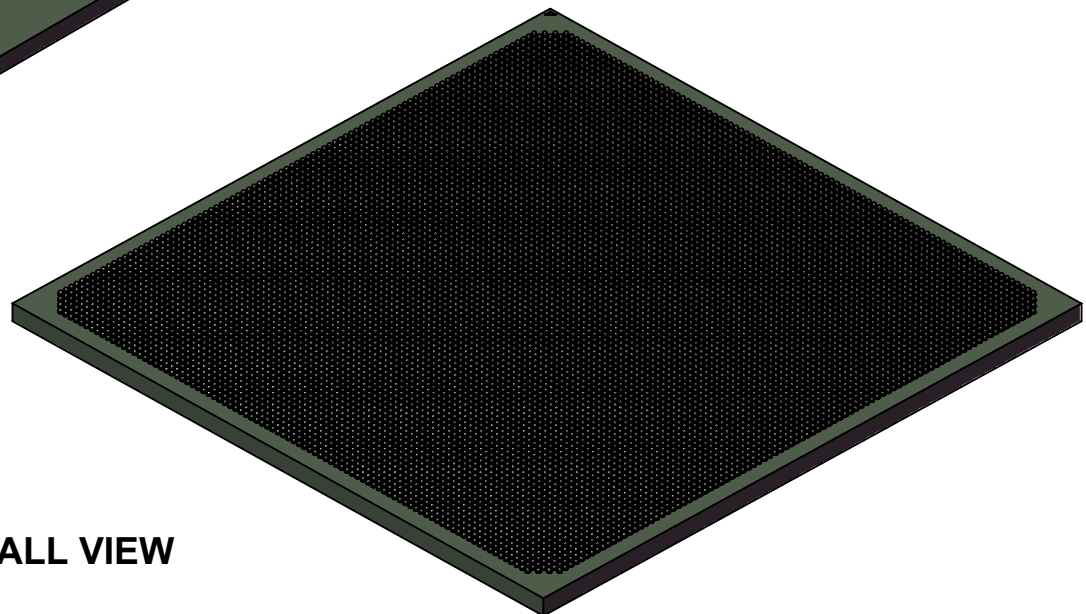


TopLine®			
TITLE LPGA8989T1.0-DC959D DAISY CHAIN DUMMY			
SCALE 1.75:1	SIZE A	DRAWING NO. 519591	REV A
DO NOT SCALE DRAWING			SHEET 3 OF 5

MODEL



TOP



BALL VIEW

TopLine®

TITLE LBGA8989T1.0-DC959D
DAISY CHAIN DUMMY

SCALE 1:1	SIZE A	DRAWING NO. 519591	REV A
--------------	-----------	-----------------------	----------

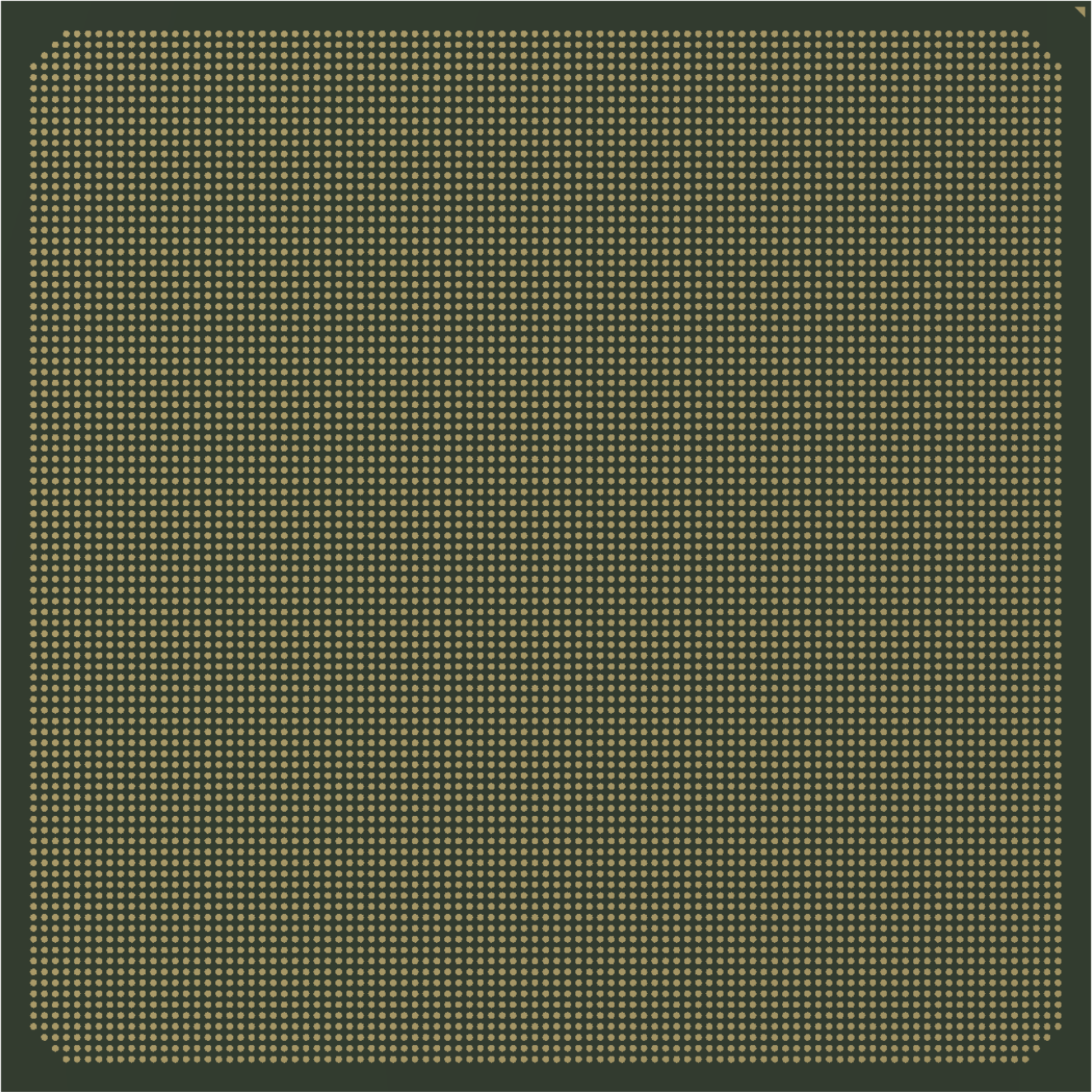
DO NOT SCALE DRAWING

SHEET 4 OF 5

BOTTOM SOLDER MASK
(RIGHT READING)

94 92 90 88 86 84 82 80 78 76 74 72 70 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
95 93 91 89 87 85 83 81 79 77 75 73 71 69 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 T
U V
W Y
AA AB
AC AD
AE AF
AG AH
AJ AK
AL AM
AN AP
AR AT
AU AV
AW AY
BA BB
BC BD
BE BF
BG BH
BJ BK
BL BM
BN BP
BR BT
BU BV
BW BY
CA CB
CC CD
CE CF
CG CH
CJ CK
CL CM
CN CP
CR CT
CU CV
CW CY
DA DB
DC DD
DE DF
DG DH
DJ DK
DL DM
DN DP
DR



TopLine®			
TITLE LBGA8989T1.0-DC959D DAISY CHAIN DUMMY			
SCALE 1.75:1	SIZE A	DRAWING NO. 519591	REV A
DO NOT SCALE DRAWING			SHEET 5 OF 5