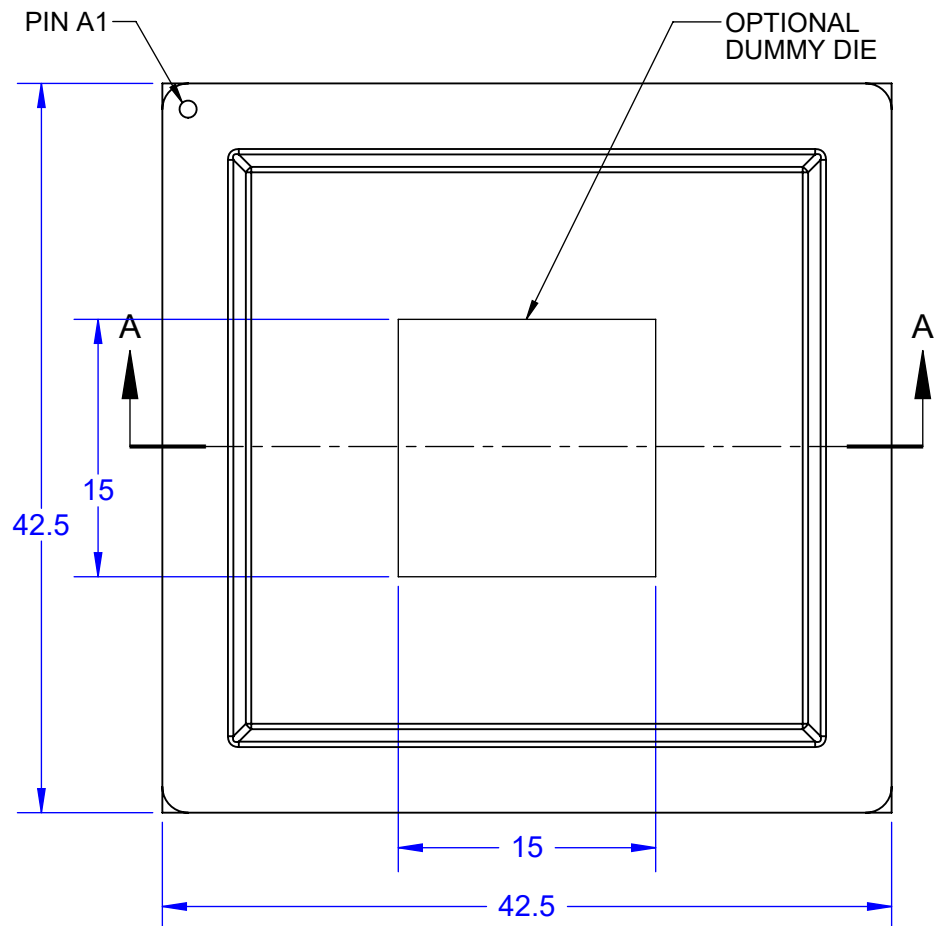
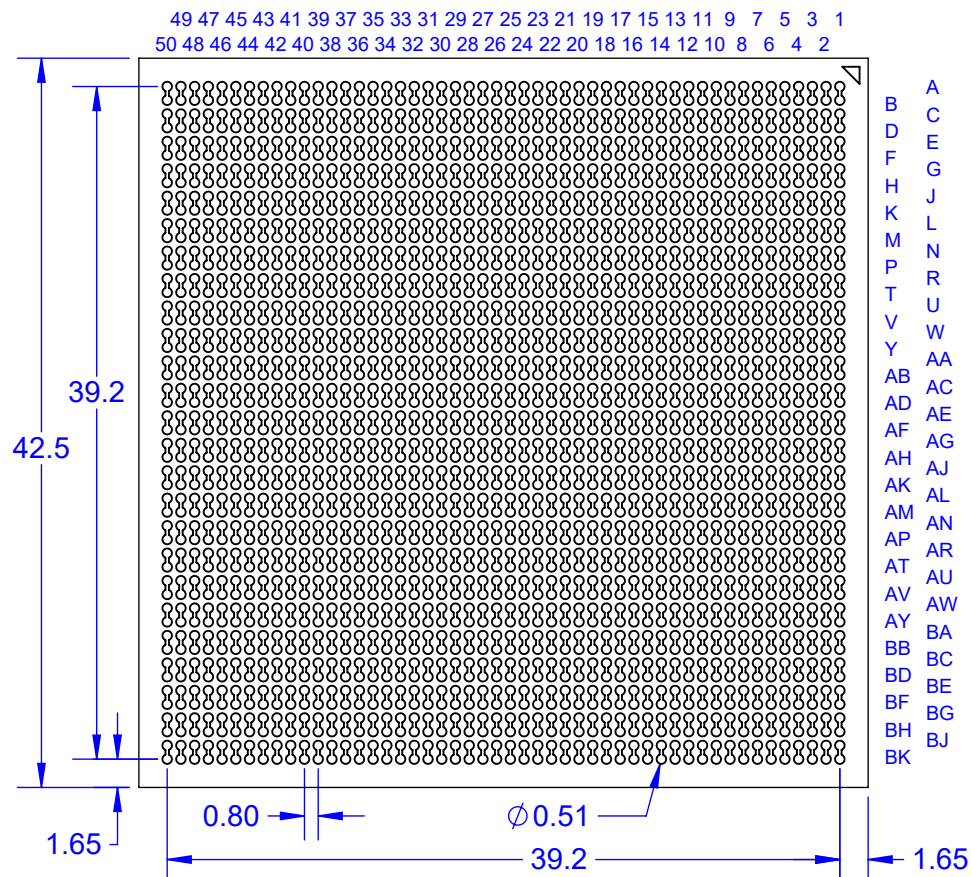


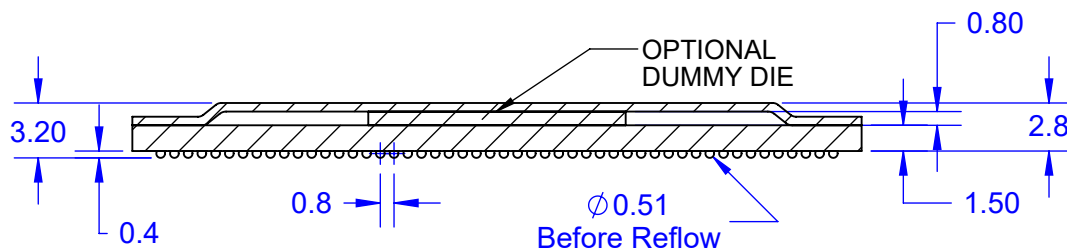
TOP VIEW



BALL VIEW



SECTION A-A



Notes: (Unless Otherwise Specified).

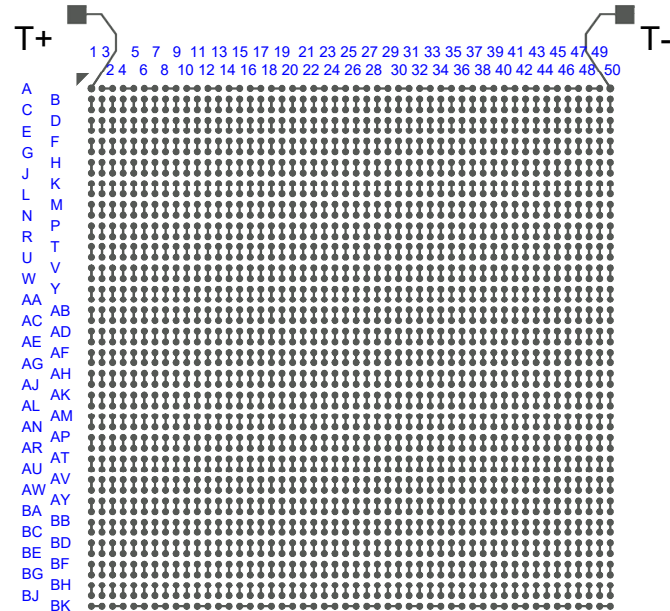
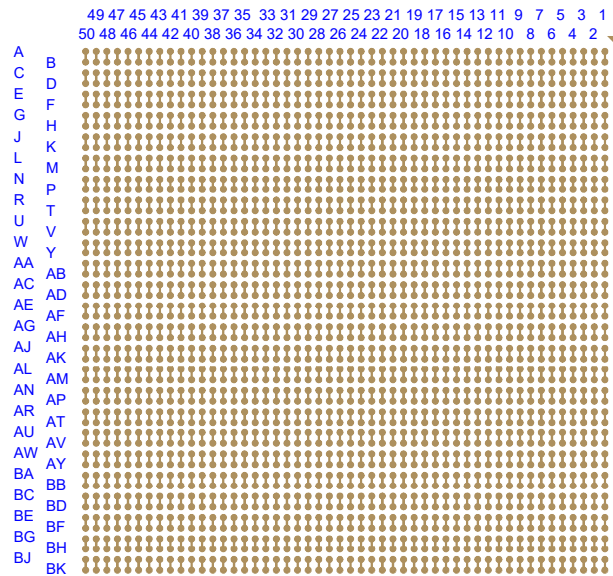
- 1) ALL DIMENSIONS ARE IN MM.
- 2) SOLDER BALL ALLOY: SEE PART NUMBER TABLE.
- 3) BALL DIAMETER (BEFORE REFLOW): 0.51mm (20 MIL).
- 4) SOLDER MASK DEFINED PAD OPENING: 0.45mm (17.7 MIL).
- 5) PAD Cu DIAMETER: 0.61mm (24 MIL).
- 6) SUBSTRATE MATERIAL: BT
- 7) DUMMY DIE IS OPTIONAL.
- 8) DAISY CHAIN PATTERN (SEE PAGE 2).
- 9) MSL-3 RECOMMENDED BAKING 24 HOURS @ 125°C TO REMOVE MOISTURE PRIOR SOLDERING TO PC BOARD.

PART NUMBER TABLE

PART NUMBER	BALL ALLOY	Pb-Free	RoHS	Si DIE
SBGA2500T.8C-DC508D	Sn96.5/Ag3.0/Cu0.5	YES	YES	YES
SBGA2500T.8-DC508D	Sn63/Pb37	NO	NO	YES

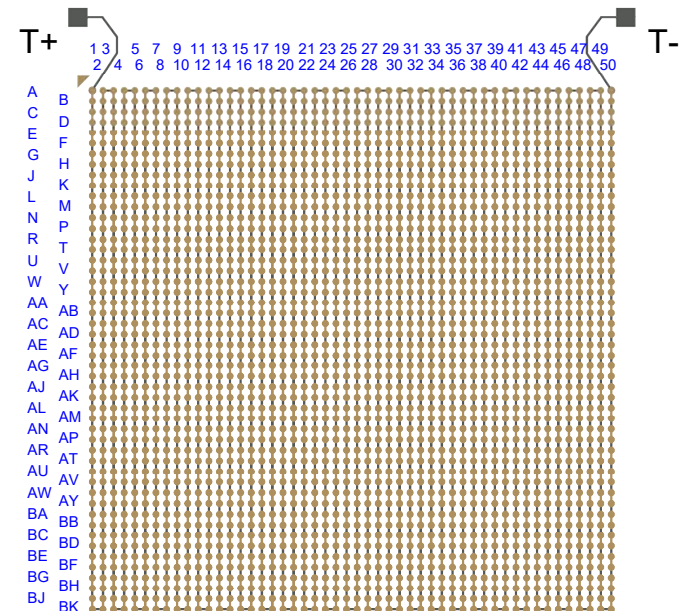
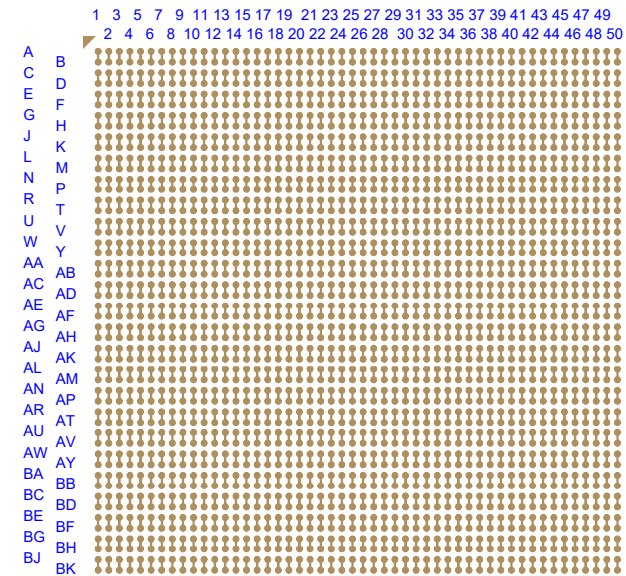
APPROVALS		DATE				
DRAWN	T. Au	8/22/2024				
ENG	M. Hart	8/22/2024	TITLE SBGA2500T.8C-DC508D DAISY CHAIN DUMMY			
MFG						
QA			SCALE	SIZE	DRAWING NO.	REV
CUST			1.8:1	A	585085	A
REVISED			DO NOT SCALE DRAWING			SHEET 1 OF 10

BALL VIEW



TEST VEHICLE BOARD

BOTTOM SIDE (TOP X-RAY VIEW)



AFTER MOUNTING

Notes:

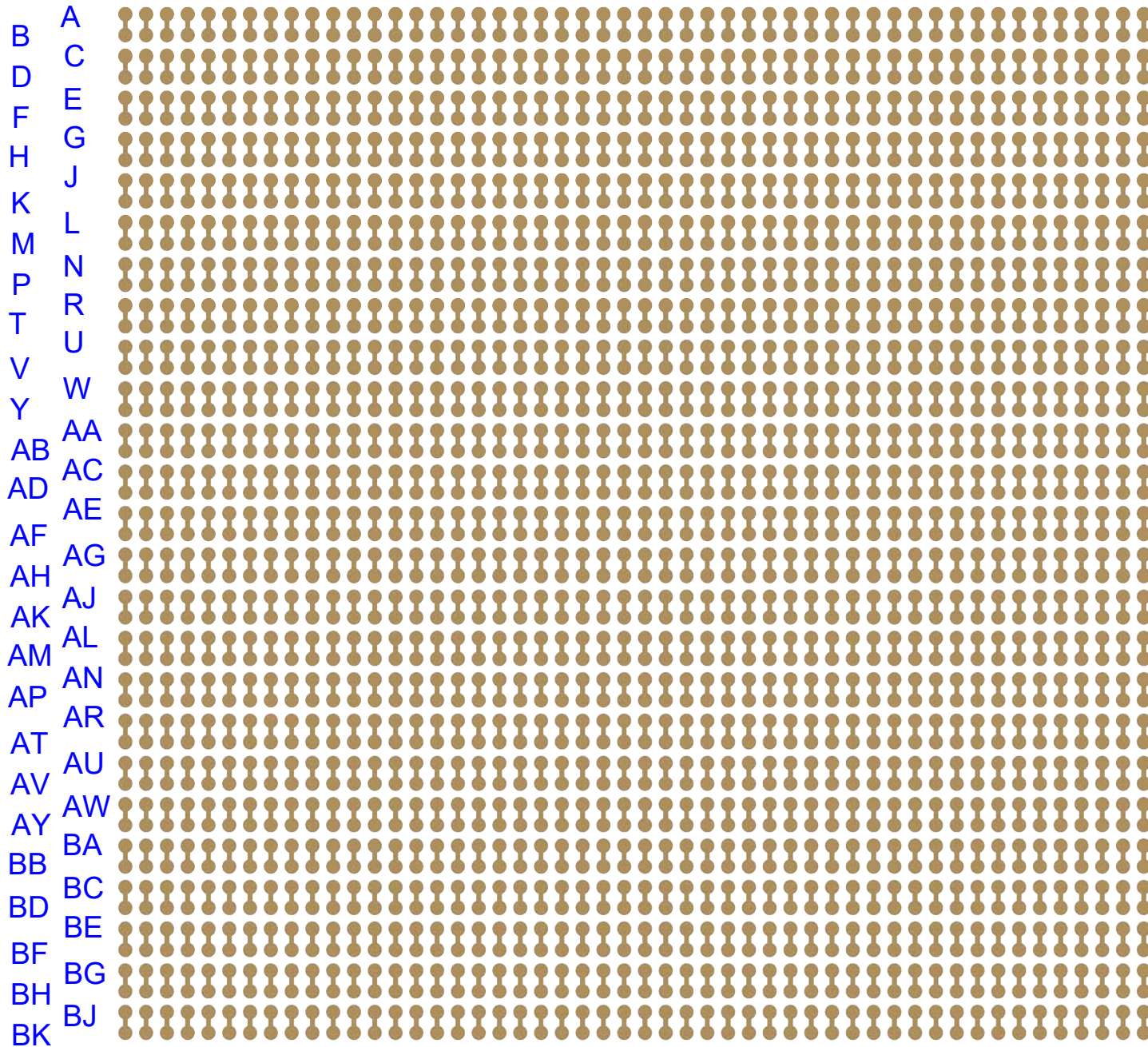
- 1) PCB BOARD DIMENSIONS ARE PRESENTED ONLY AS A GUIDELINE. DESIGNERS SHOULD USE THEIR OWN EXPERIENCE WHEN DESIGNING PCB.
- 2) PCB Cu BALL PAD DIAMETER 0.61mm (24 MIL).
- 3) PCB DAISY CHAIN TRACING LINE WIDTH 0.152mm (6 MIL).
- 4) SMD (SOLDER MASK DEFINED) PAD OPENING: 0.45mm (17.7 MIL).

TopLine®

TITLE SBGA2500T.8C-DC508D DAISY CHAIN DUMMY			
SCALE 1.4:1	SIZE A	DRAWING NO. 585085	REV A
DO NOT SCALE DRAWING			SHEET 2 OF 10

BALL VIEW

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
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



TopLine®

TITLE SBGA2500T.8C-DC508D
DAISY CHAIN DUMMY

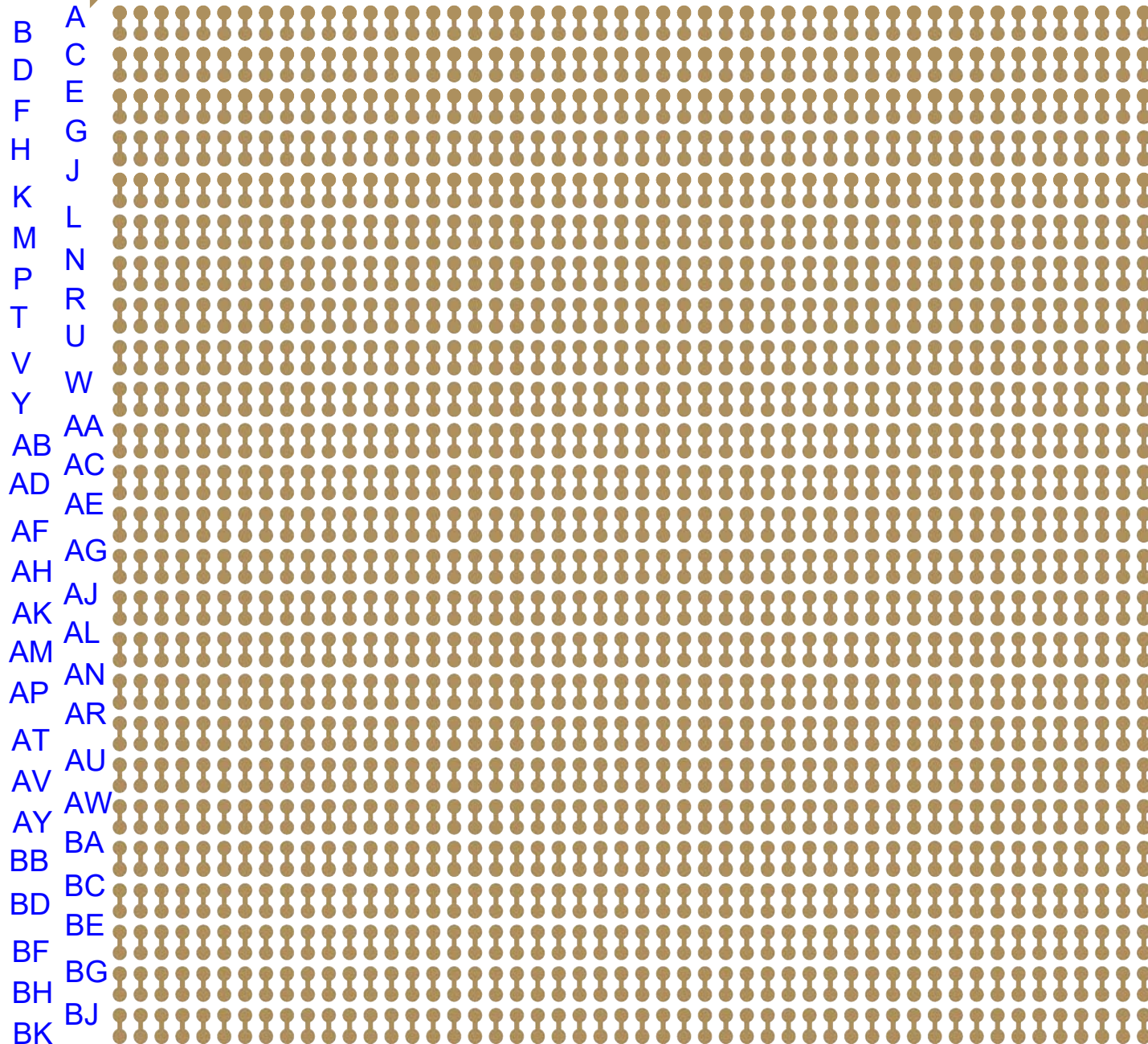
SCALE 1.4:1	SIZE A	DRAWING NO. 585085	REV A
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DO NOT SCALE DRAWING

SHEET 3 OF 10

BOTTOM SIDE (TOP X-RAY VIEW)

1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50



TopLine®

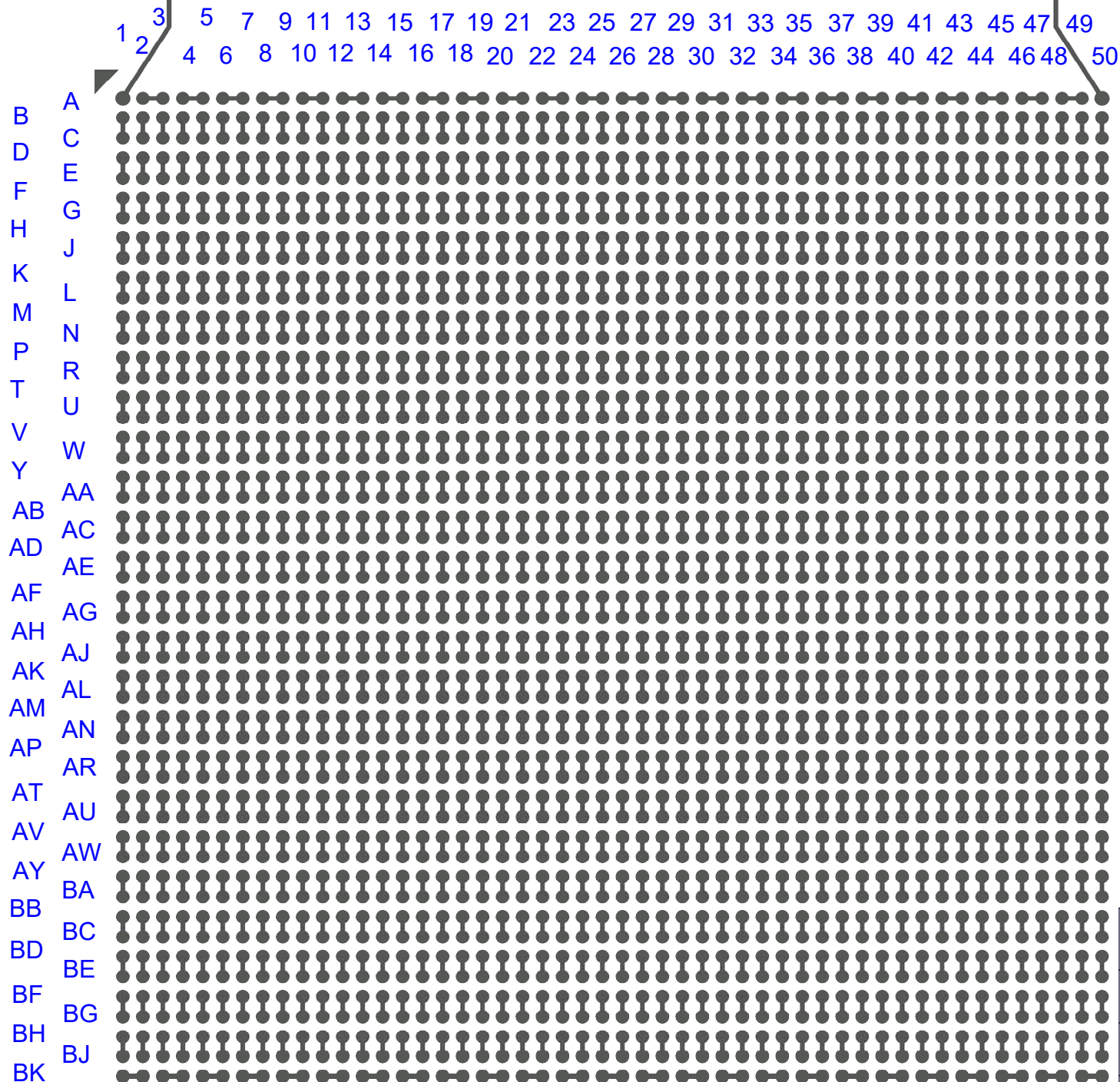
TITLE SBGA2500T.8C-DC508D
DAISY CHAIN DUMMY

SCALE 1.4:1	SIZE A	DRAWING NO. 585085	REV A
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DO NOT SCALE DRAWING

SHEET 4 OF 10

TEST VEHICLE BOARD



- NOTES:
- 1) PCB BOARD DIMENSIONS ARE PRESENTED ONLY A GUIDELINE. DESIGNERS SHOULD USE THEIR OWN KNOWLEDGE BASE WHEN DESIGNING THE PCB.
 - 2) PCB Cu BALL PADS DIAMETER 0.61mm (24 MIL)
 - 3) PCB DAISY CHAIN TRACING LINE WIDTH 0.152mm (6 MIL)
 - 4) SMD (SOLDER MASK DEFINED) PAD OPENING 0.45MM (17.7 MIL)
 - 5) VIA IN PAD OPTIONAL

TopLine®

TITLE SBGA2500T.8C-DC508D
DAISY CHAIN DUMMY

SCALE 1.4:1	SIZE A	DRAWING NO. 585085	REV A
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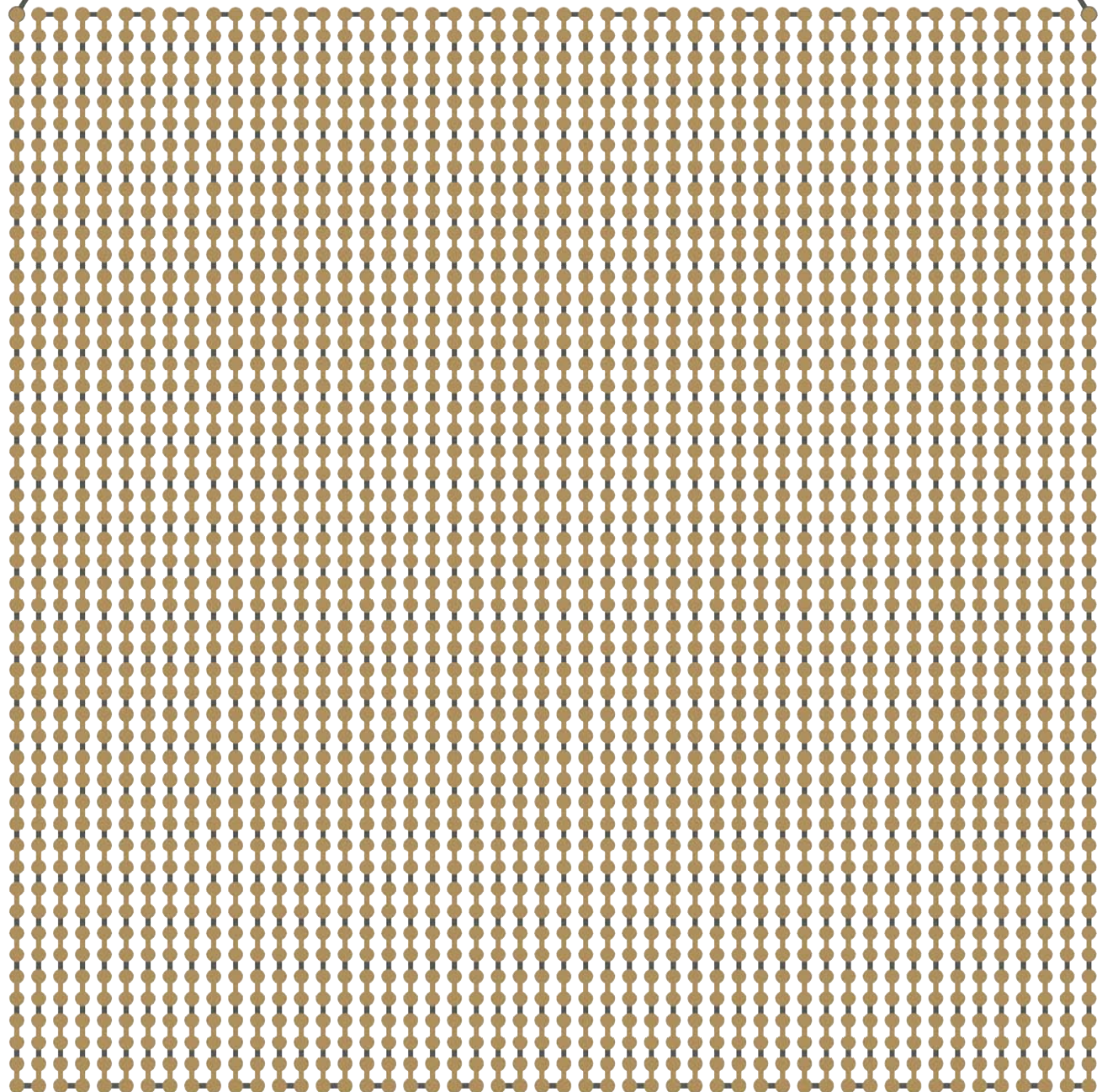
DO NOT SCALE DRAWING

SHEET 5 OF 10

AFTER MOUNTING

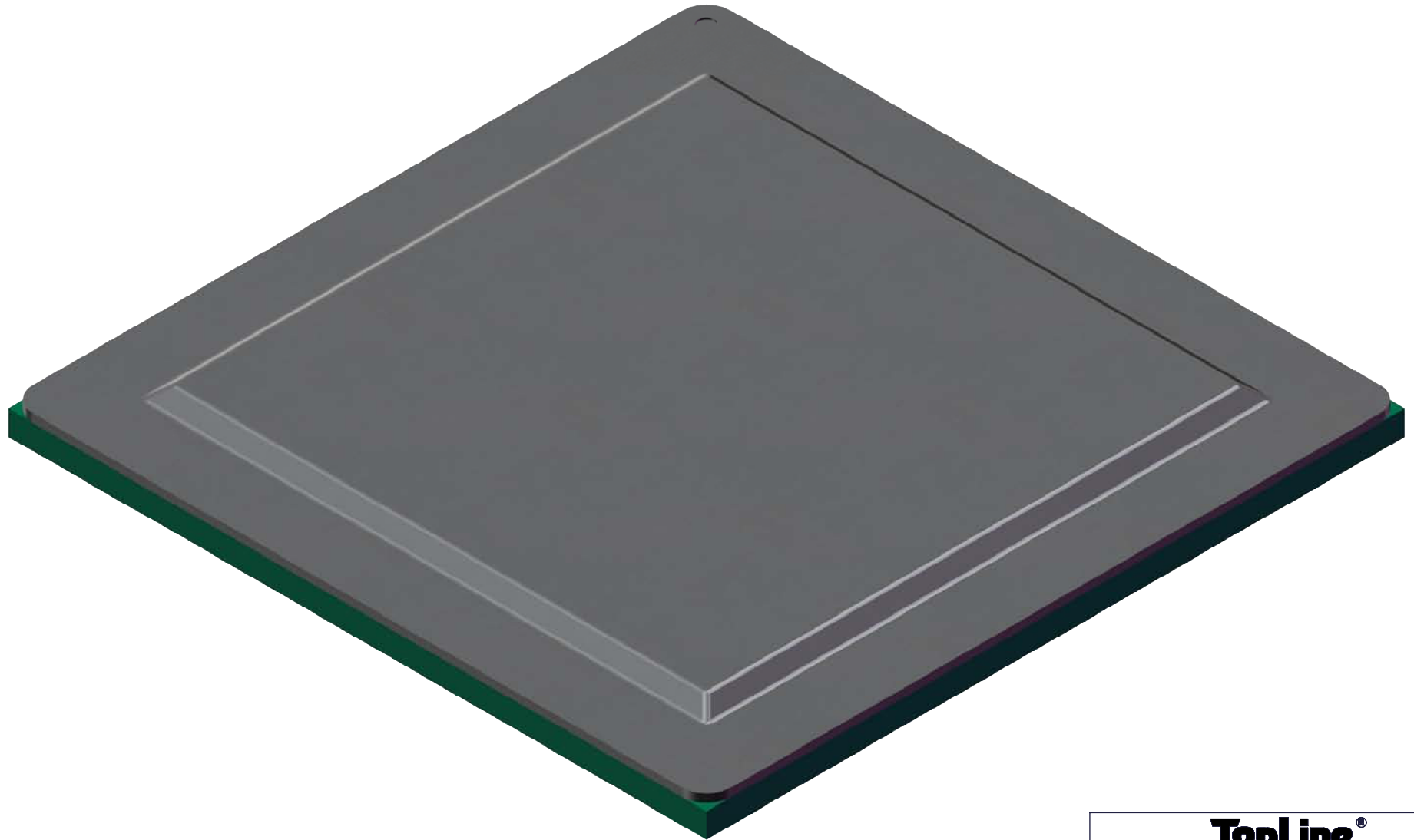
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50

B A
D C
F E
H G
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



TITLE SBGA2500T.8C-DC508D DAISY CHAIN DUMMY			
SCALE 1.4:1	SIZE A	DRAWING NO. 585085	REV A
DO NOT SCALE DRAWING			SHEET 6 OF 10

MODEL TOP VIEW



TopLine®

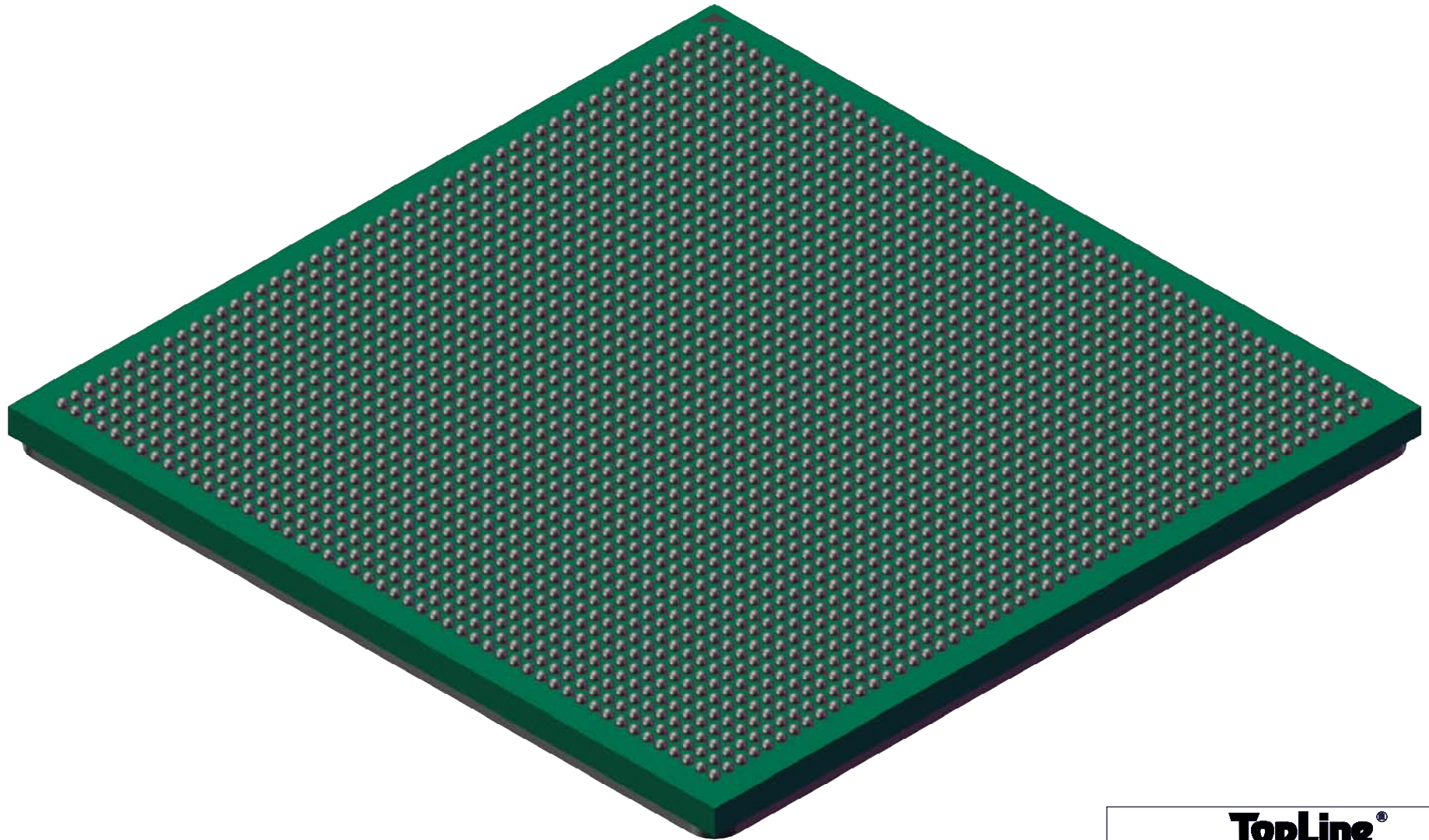
TITLE SBGA2500T.8C-DC508D
DAISY CHAIN DUMMY

SCALE 1.4:1	SIZE A	DRAWING NO. 585085	REV A
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DO NOT SCALE DRAWING

SHEET 7 OF 10

MODEL BALL VIEW



TopLine®

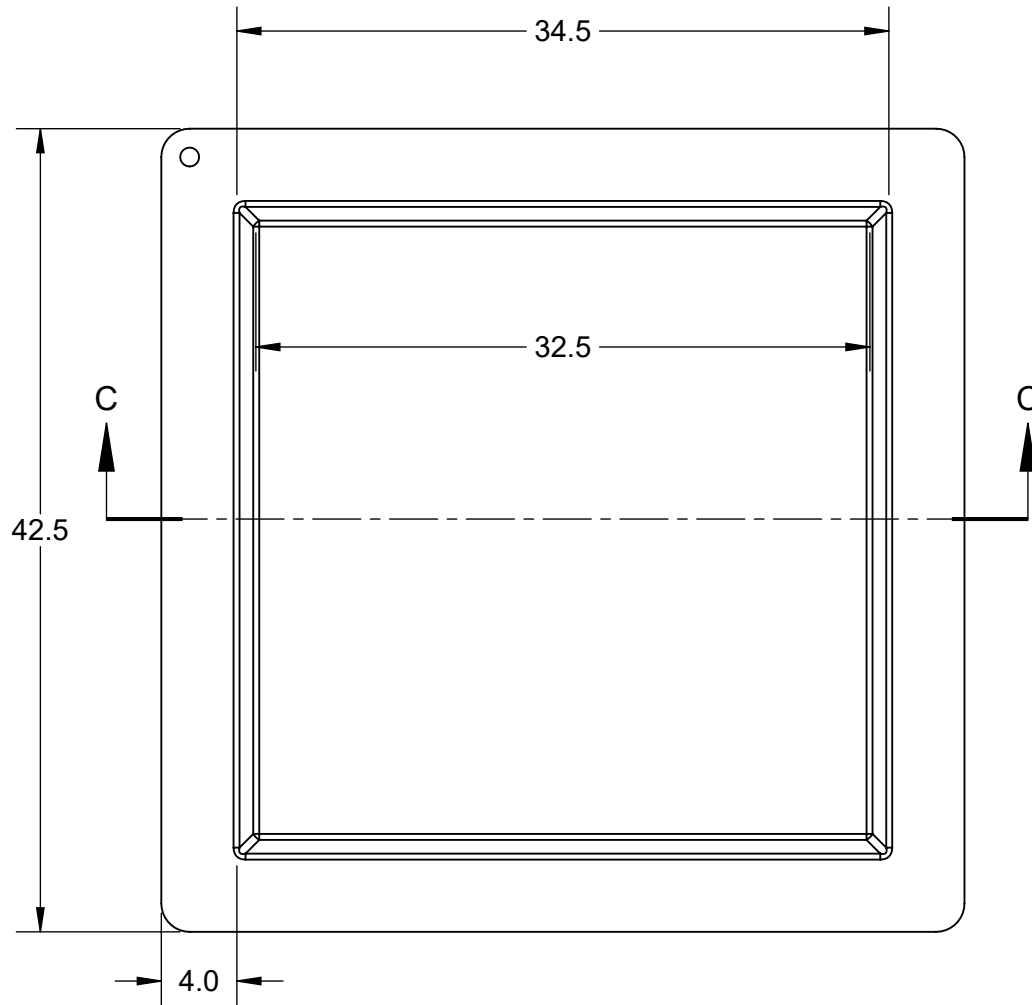
TITLE SBGA2500T.8C-DC508D
DAISY CHAIN DUMMY

SCALE 1.4:1	SIZE A	DRAWING NO. 585085	REV A
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DO NOT SCALE DRAWING

SHEET 8 OF 10

HEAT SPREADER

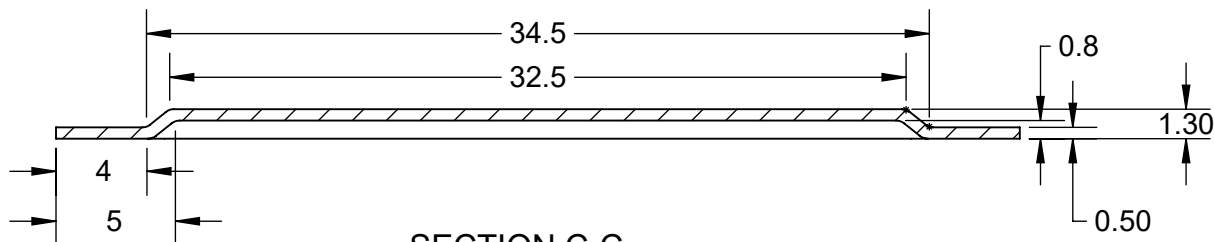


TOP

MODEL



CAVITY



SECTION C-C
SCALE 3 : 1

TopLine®

TITLE SBGA2500T.8C-DC508D
DAISY CHAIN DUMMY

SCALE 2:1	SIZE A	DRAWING NO. 585085	REV A
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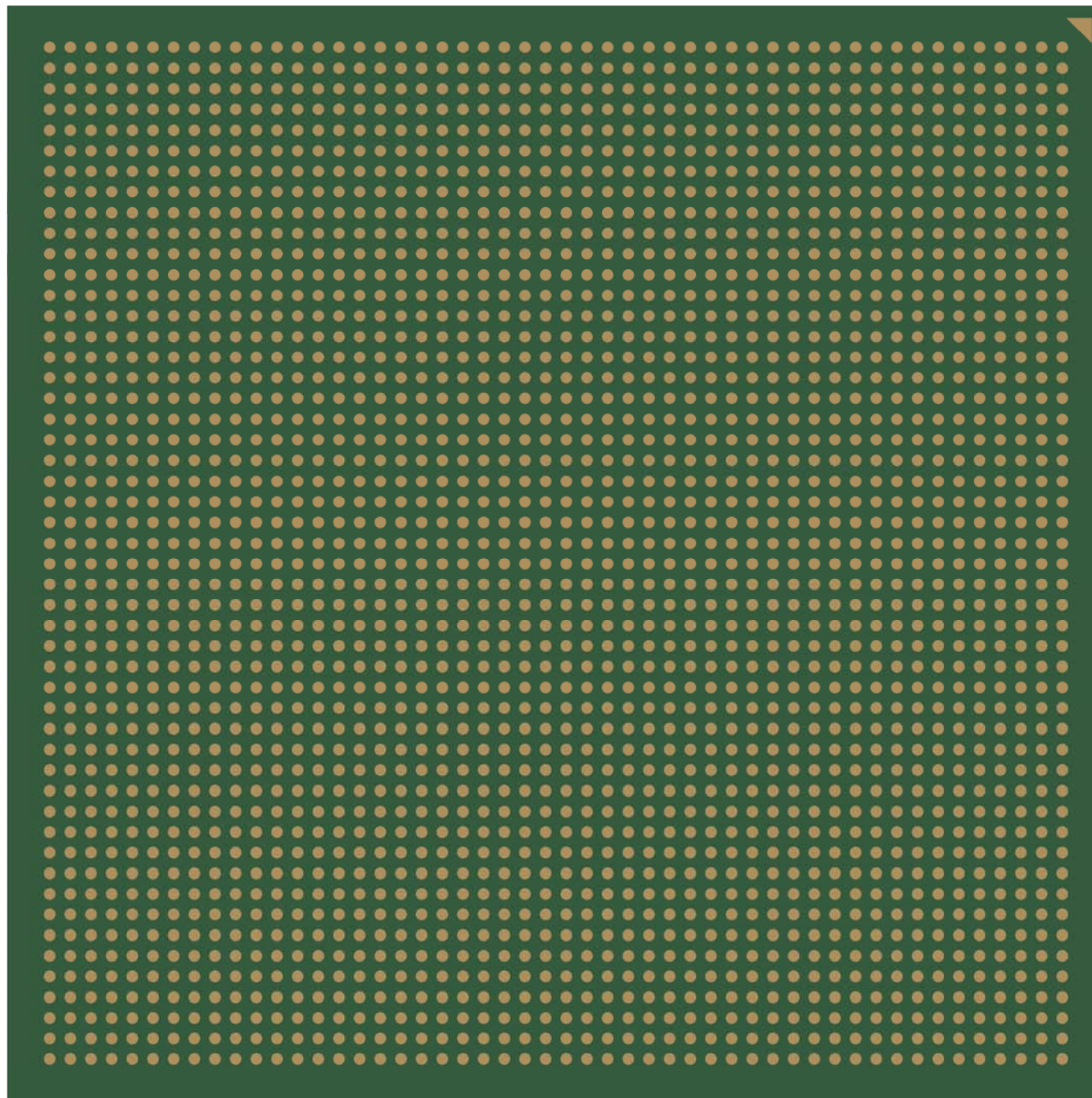
DO NOT SCALE DRAWING

SHEET 9 OF 10

BOTTOM SOLDER MASK (RIGHT READING)

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
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

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



TopLine®

TITLE SBGA2500T.8C-DC508D
DAISY CHAIN DUMMY

SCALE 1.4:1	SIZE A	DRAWING NO. 585085	REV A
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DO NOT SCALE DRAWING

SHEET 10 OF 10