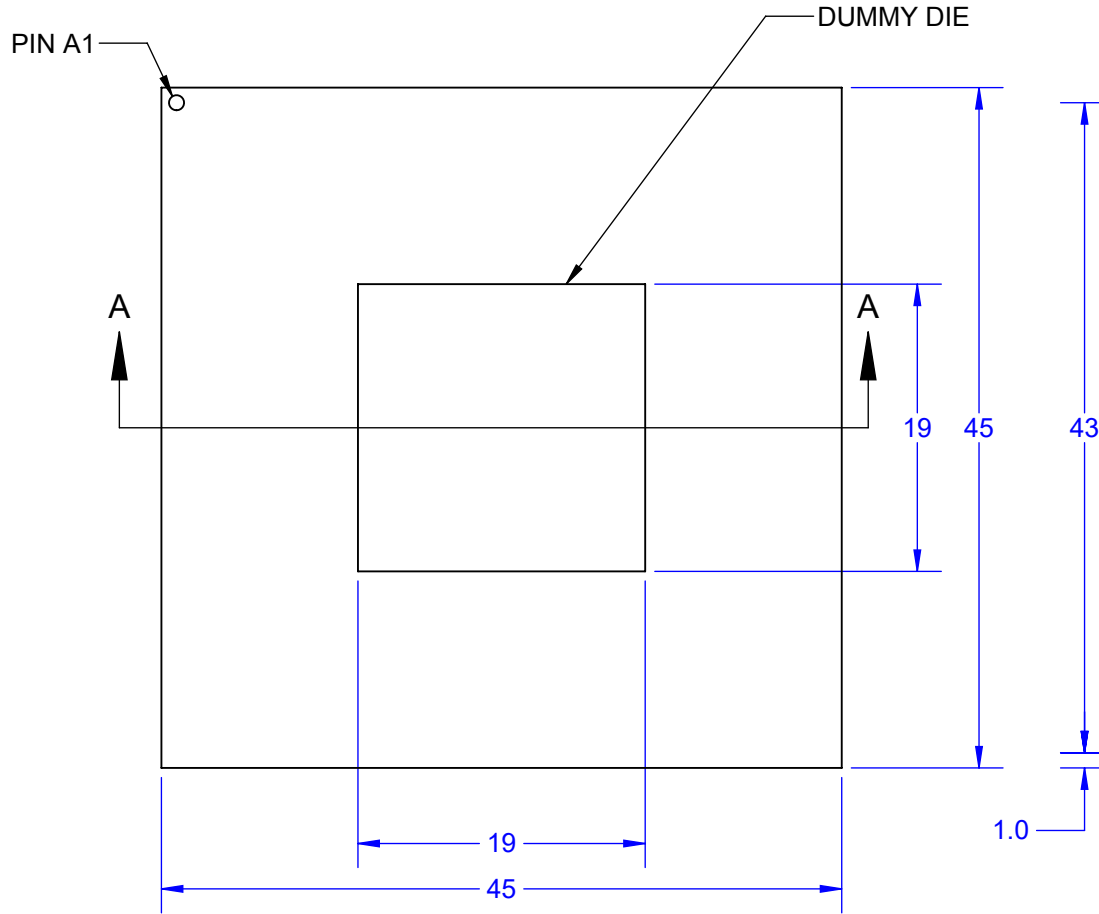
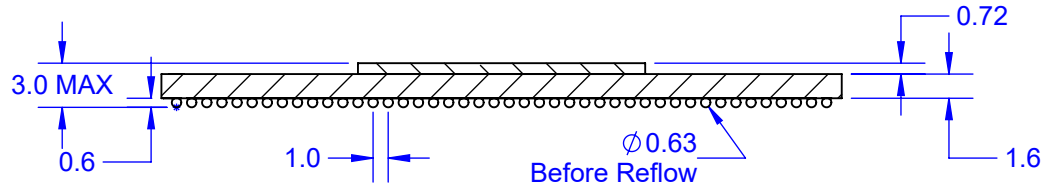
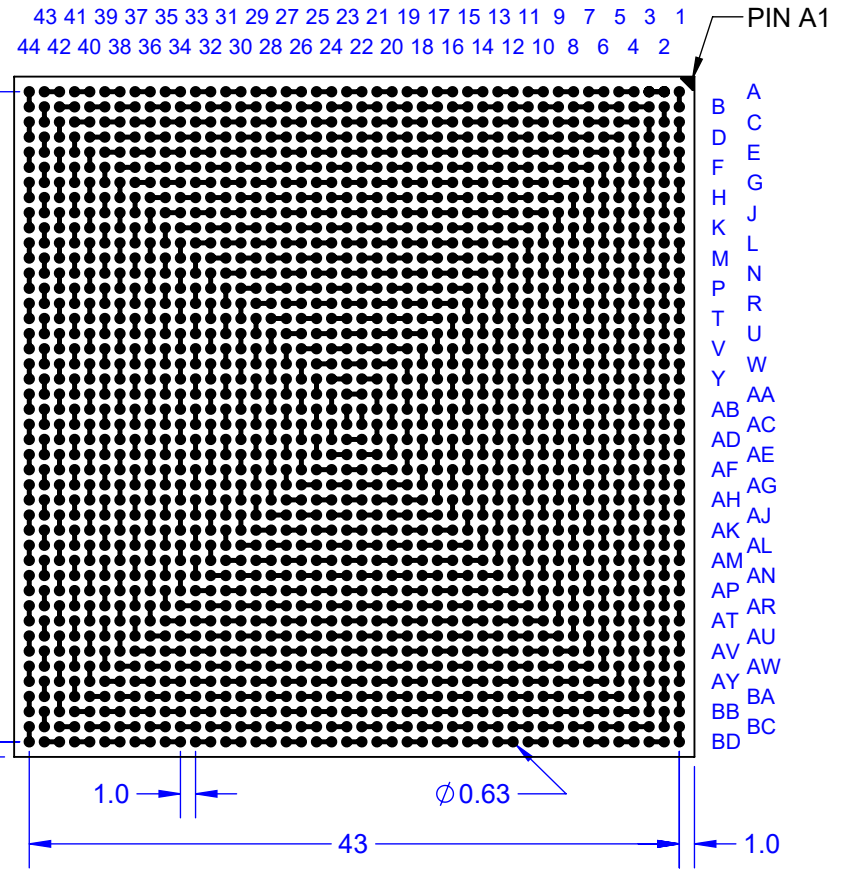


TOP VIEW



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): 0.635mm (25 MIL).
- 4) SOLDER MASK DEFINED PAD OPENING: 0.508mm (20 MIL).
- 5) PAD Cu DIAMETER: 0.635mm (25 MIL).
- 6) SUBSTRATE MATERIAL: 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

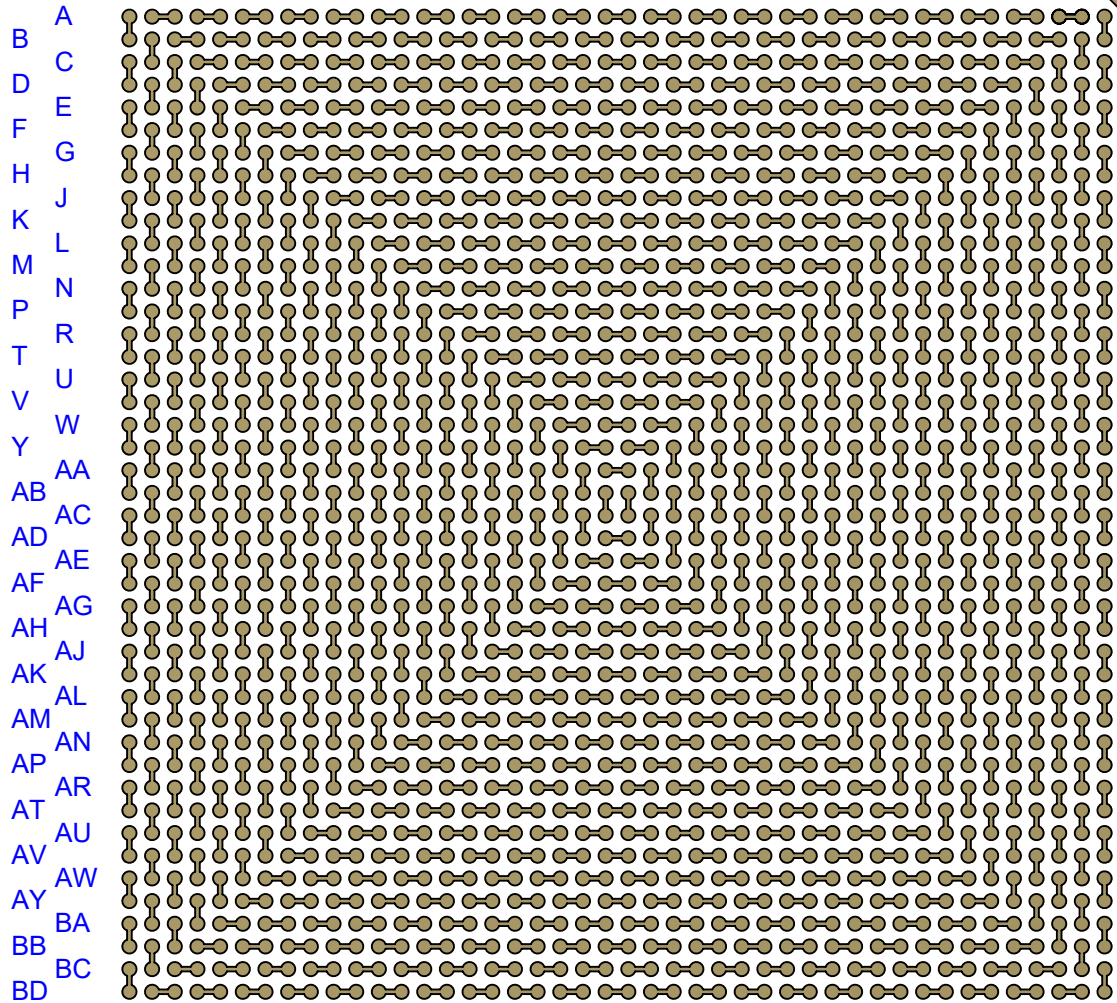
PART NUMBER	BALL ALLOY	Pb-FREE	RoHS	Si DIE
LBGA1936T1.0-DC449D	Sn63/Pb37	No	No	Yes

APPROVALS		DATE				
DRAWN	T.Au	09/19/15				
ENG	M. Hart	09/19/15	TITLE		LBGA1936T1.0-DC449D DAISY CHAIN DUMMY	
MFG			SCALE	SIZE	DRAWING NO.	REV
QA			2:1	A	514491	A
CUST			DO NOT SCALE DRAWING			SHEET 1 OF 7
REVISED						

BALL VIEW

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

PIN A1

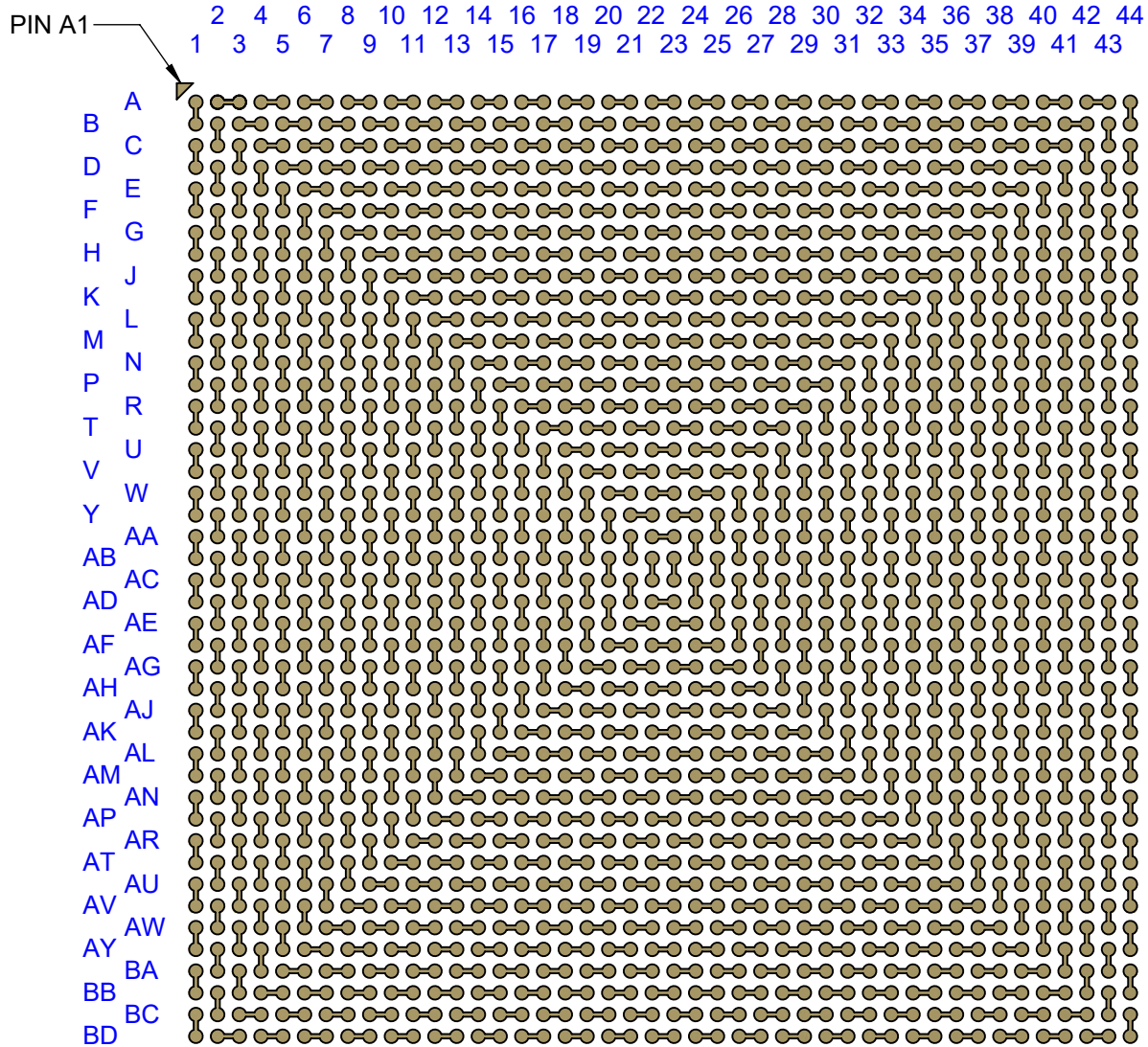


TopLine[®]

TITLE LBGA1936T1.0-DC449D
DAISY CHAIN DUMMY

SCALE 3:1	SIZE A	DRAWING NO. 514491	REV A
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BOTTOM SIDE (TOP X-RAY VIEW)

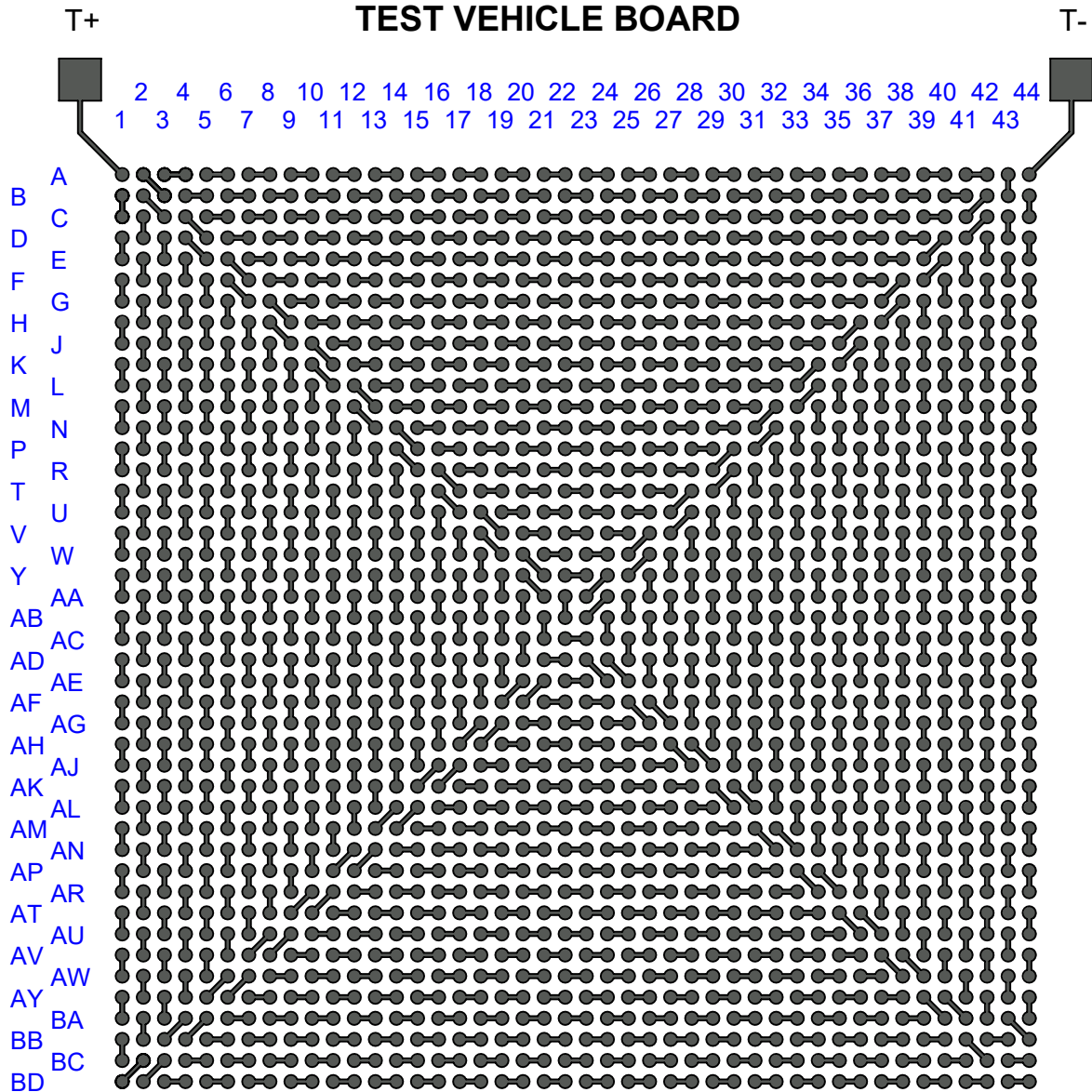


TopLine®

TITLE LBGA1936T1.0-DC449D
DAISY CHAIN DUMMY

SCALE 3:1	SIZE A	DRAWING NO. 514491	REV A
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TEST VEHICLE BOARD



Notes:

- 1) PCB BOARD DIMENSIONS ARE PRESENTD ONLY AS A GUIDELINE. DESIGNERS SHOULD USE THEIR OWN EXPERIENCE WHEN DESIGNING PCB.
- 2) PCB Cu BALL PAD DIAMETER 0.635mm [25 MIL].
- 3) PCB DAISY CHAIN TRACING LINE WIDTH 0.204mm [8 MIL].
- 4) SMD (SOLDER MASK DEFINED) PAD OPENING 0.508mm [20 MIL].



TITLE			
LBGA1936T1.0-DC449D DAISY CHAIN DUMMY			
SCALE	SIZE	DRAWING NO.	REV
3:1	A	514491	A
DO NOT SCALE DRAWING			SHEET 4 OF 7

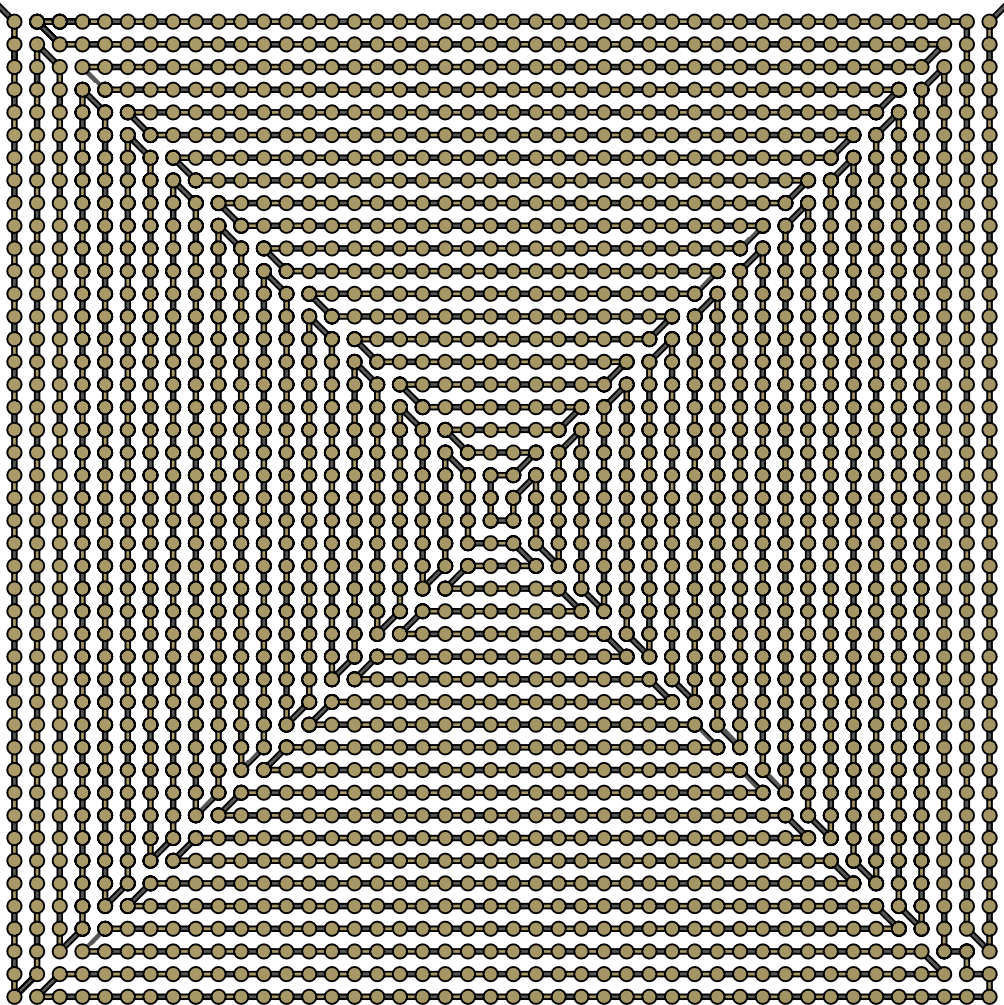
T+

AFTER MOUNTING

T-

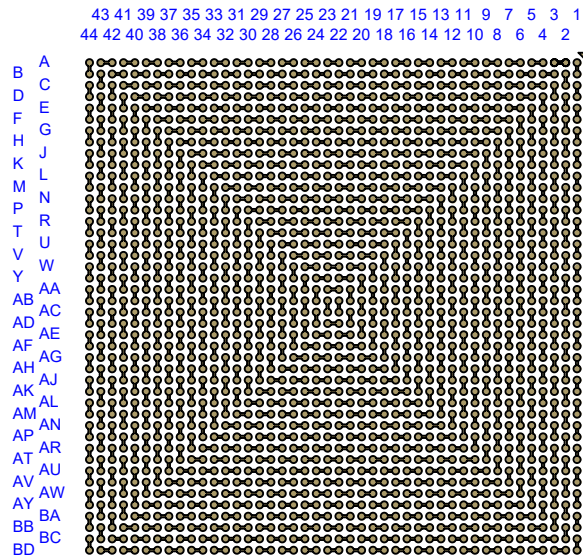
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43

A
B
C
D
E
F
G
H
J
K
L
M
N
P
R
T
U
V
W
Y
AA
AB
AC
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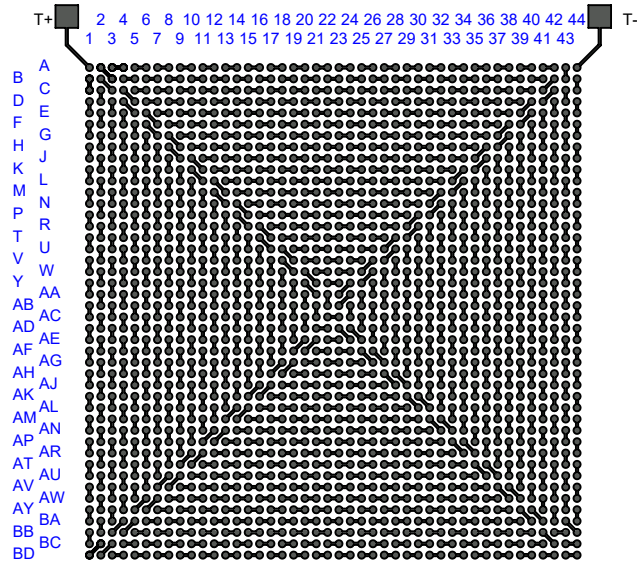
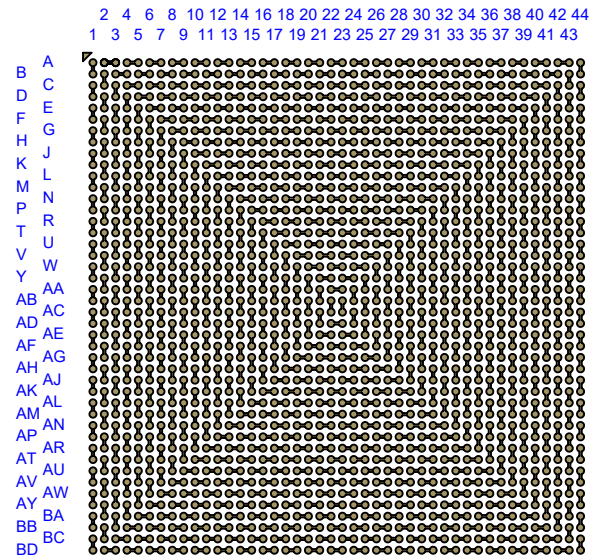


TITLE			
LBGA1936T1.0-DC449D DAISY CHAIN DUMMY			
SCALE	SIZE	DRAWING NO.	REV
3:1	A	514491	A
DO NOT SCALE DRAWING			SHEET 5 OF 7

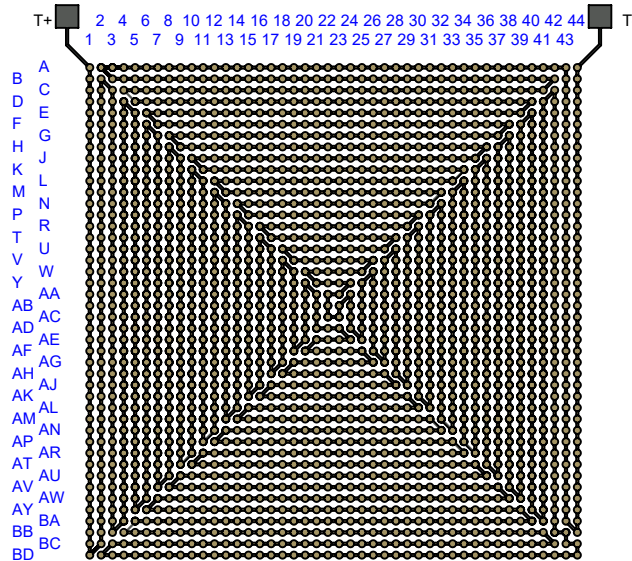
BALL VIEW



BOTTOM SIDE (TOP X-RAY VIEW)



TEST VEHICLE BOARD



AFTER MOUNTING

Notes:

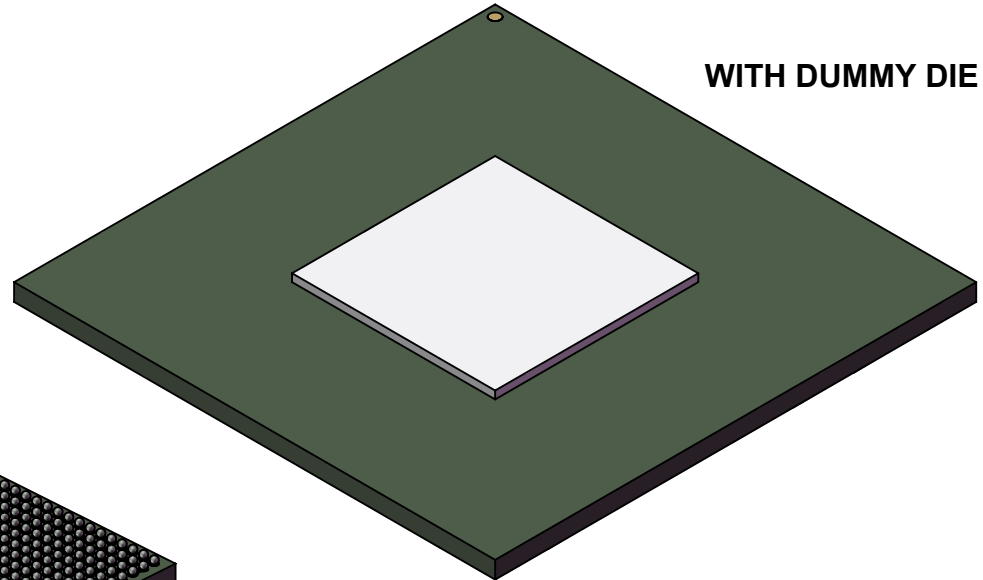
- 1) PCB BOARD DIMENSIONS ARE PRESENTD ONLY AS A GUIDELINE. DESIGNERS SHOULD USE THEIR OWN EXPERIENCE WHEN DESIGNING PCB.
- 2) PCB Cu BALL PAD DIAMETER 0.635mm [25 MIL].
- 3) PCB DAISY CHAIN TRACING LINE WIDTH 0.204mm [8 MIL].
- 4) SMD (SOLDER MASK DEFINED) PAD OPENING 0.508mm [20 MIL].

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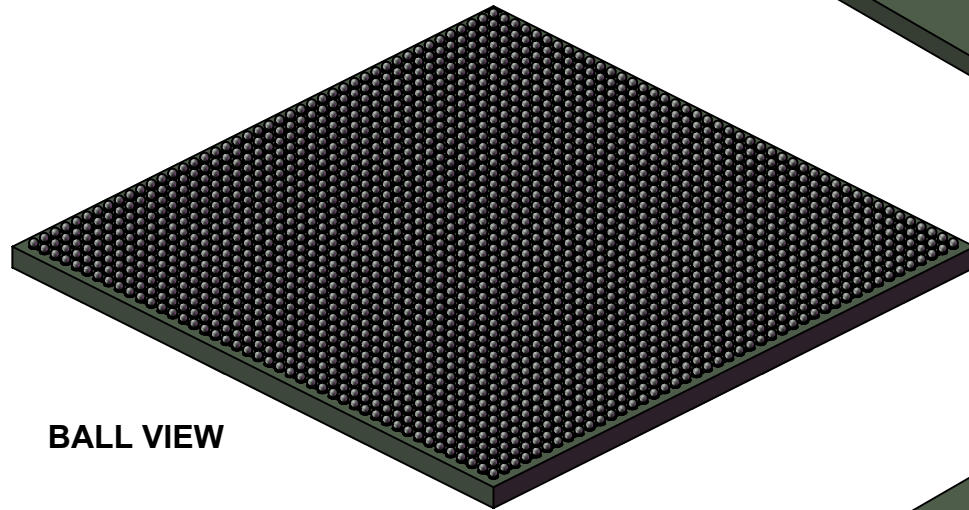
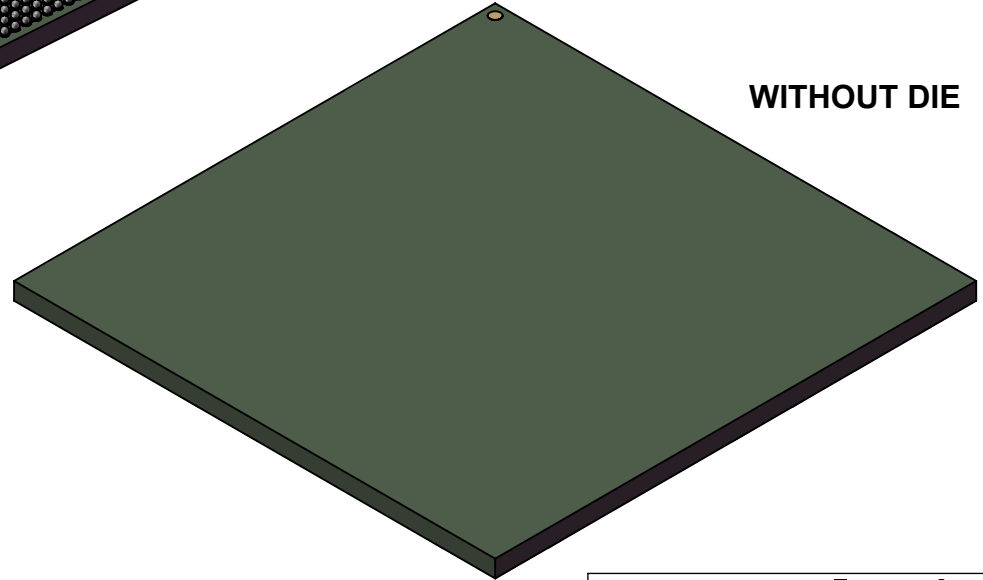
TITLE		LBGA1936T1.0-DC449D DAISY CHAIN DUMMY	
SCALE	SIZE	DRAWING NO.	REV
3:2	A	514491	A
DO NOT SCALE DRAWING		SHEET 6 OF 7	

MODEL

WITH DUMMY DIE



WITHOUT DIE



BALL VIEW

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TITLE				LBGA1936T1.0-DC449D DAISY CHAIN DUMMY	
SCALE	SIZE	DRAWING NO.	REV		
2:1	A	514491	A		
DO NOT SCALE DRAWING			SHEET 7 OF 7		