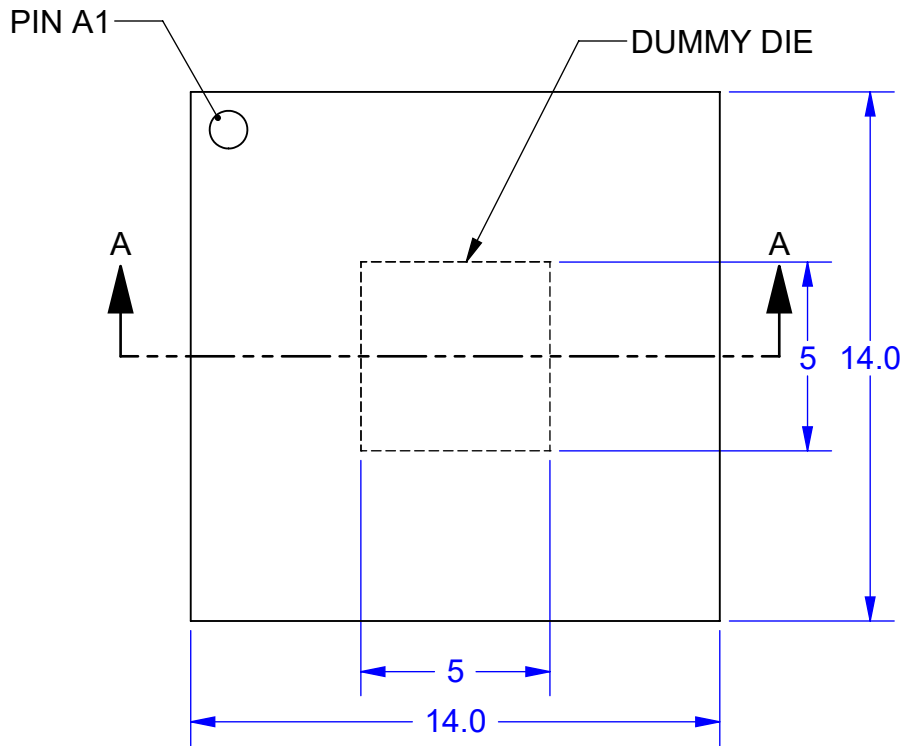
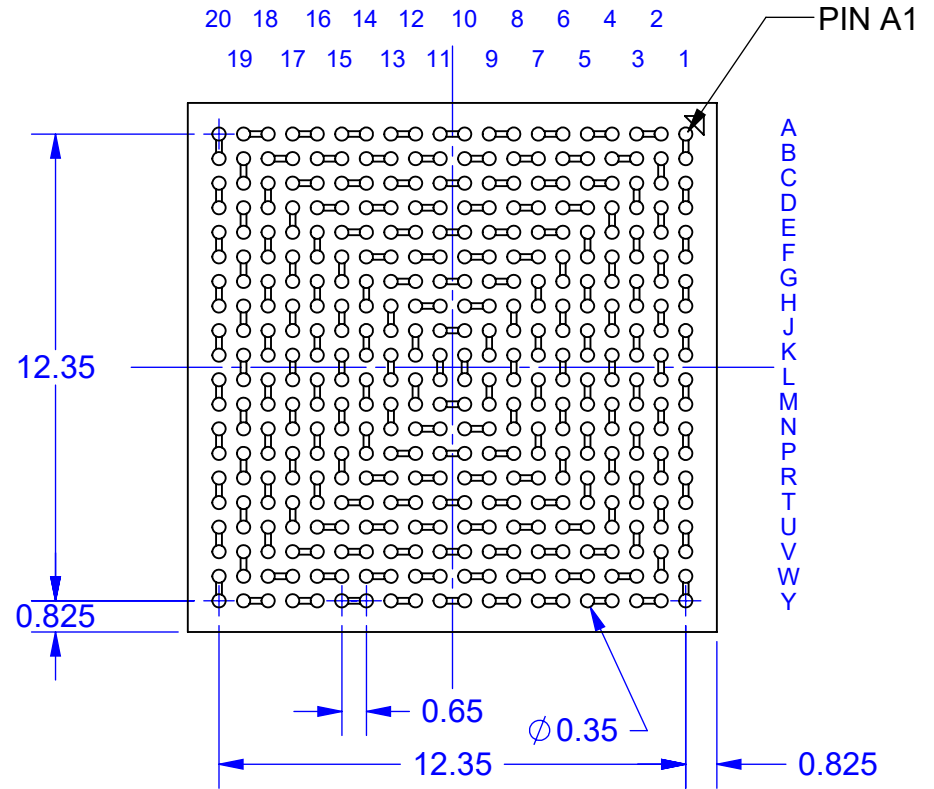


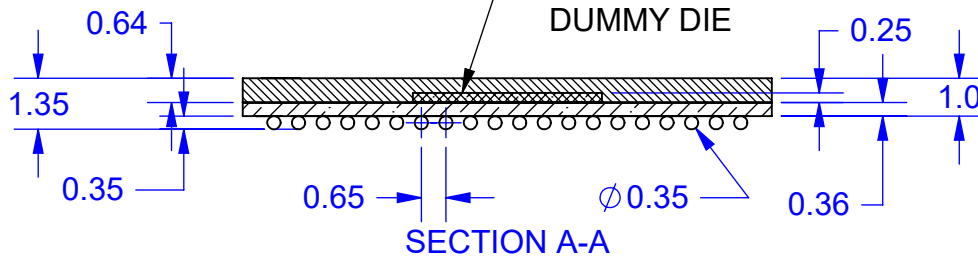
TOP VIEW



BALL VIEW



OPTIONAL DUMMY DIE




Notes: (Unless Otherwise Specified).

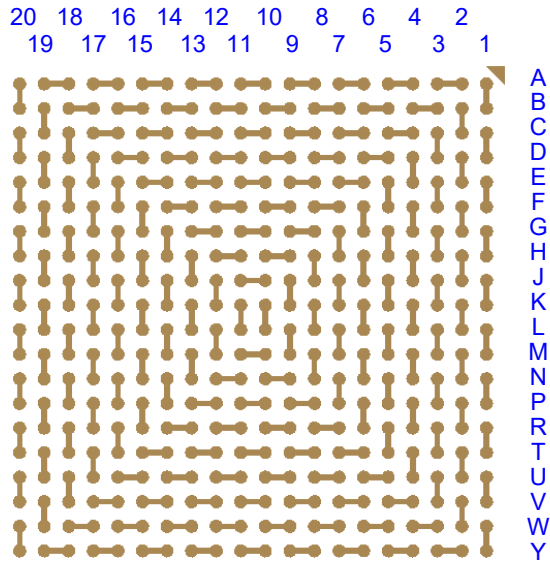
- 1) ALL DIMENSIONS ARE IN MM.
- 2) SOLDER BALL ALLOY: SEE PART NUMBER TABLE.
- 3) BALL DIAMETER (BEFORE REFLOW): 0.35mm.
- 4) SOLDER MASK DEFINED PAD OPENING: 0.305mm.
- 5) PAD Cu DIAMETER: 0.457mm.
- 6) SUBSTRATE MATERIAL: BT.
- 7) DUMMY DIE IS OPTIONAL.
- 8) DAISY CHAIN PATTERN (SEE PAGE 2).
- 9) MSL-3 RECOMMEND BAKING 24 HOURS @ 125C TO REMOVE MOISTURE PRIOR TO SOLDERING TO PC BOARD.

PART NUMBER TABLE

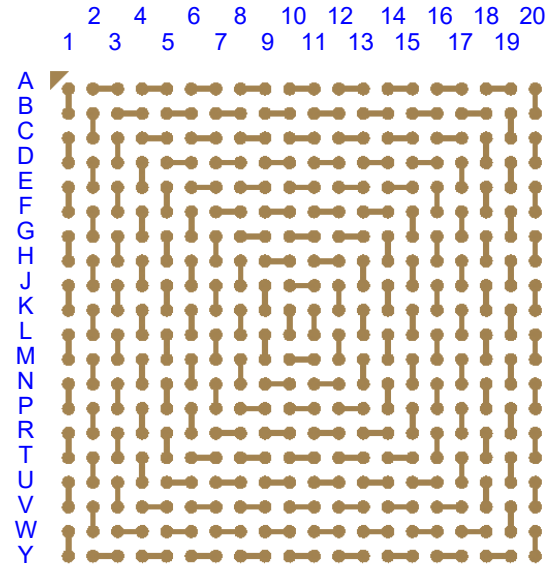
| PART NUMBER        | BALL ALLOY         | Pb-FREE | RoHS | Si DIE |
|--------------------|--------------------|---------|------|--------|
| BGA400T.65C-DC209D | Sn96.5/Ag3.0/Cu0.5 | YES     | YES  | YES    |
| BGA400T.65-DC209D  | Sn63/Pb37          | NO      | NO   | YES    |

| APPROVALS |         | DATE       |  |                   |             |              |
|-----------|---------|------------|---|-------------------|-------------|--------------|
| DRAWN     | T. Au   | 03/27/2022 |   |                   |             |              |
| ENG       | M. Hart | 03/27/2022 | TITLE   | BGA400T.65-DC209D |             |              |
| MFG       |         |            | TITLE   | DAISY CHAIN DUMMY |             |              |
| QA        |         |            | SCALE   | SIZE              | DRAWING NO. | REV          |
| CUST      |         |            | 5:1   | A                 | 562093      | A            |
| REVISED   |         |            | DO NOT SCALE DRAWING  |                   |             | SHEET 1 OF 3 |

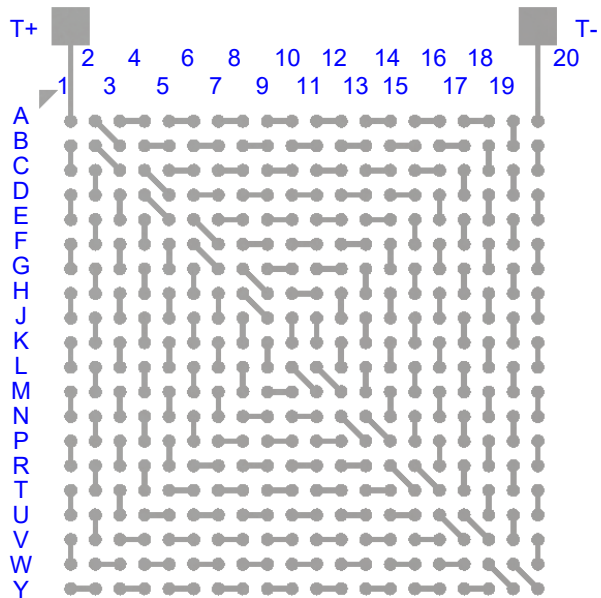
BALL VIEW



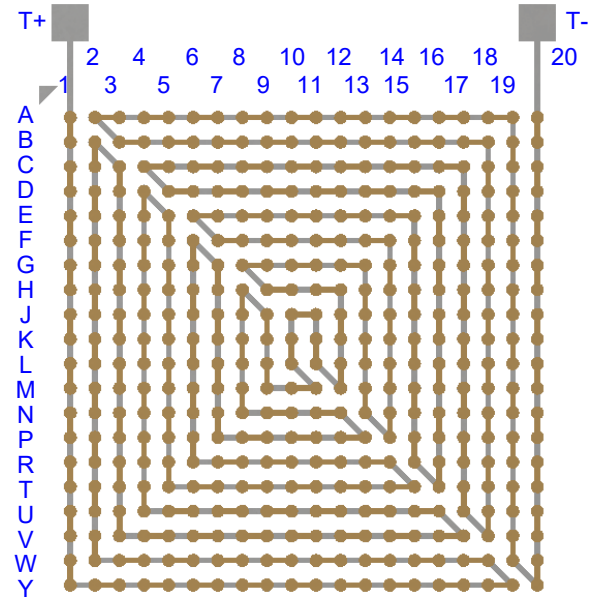
BOTTOM SIDE  
(TOP X-RAY VIEW)



TOP VIEW



AFTER MOUNTING  
TO TEST BOARD  
(TOP X-RAY VIEW)



TEST VEHICLE BOARD

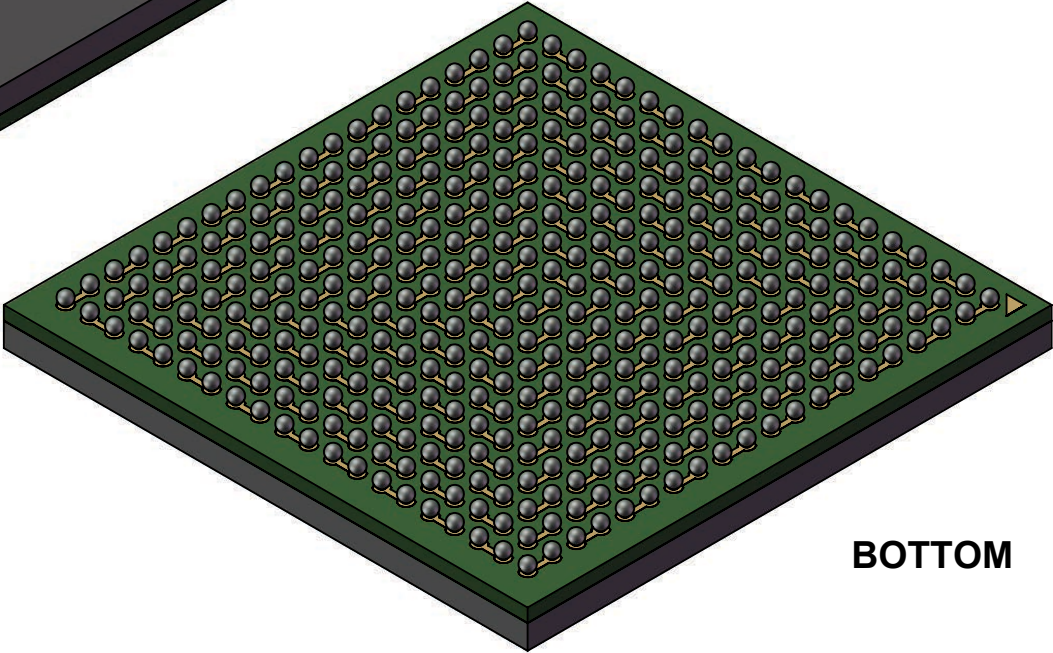
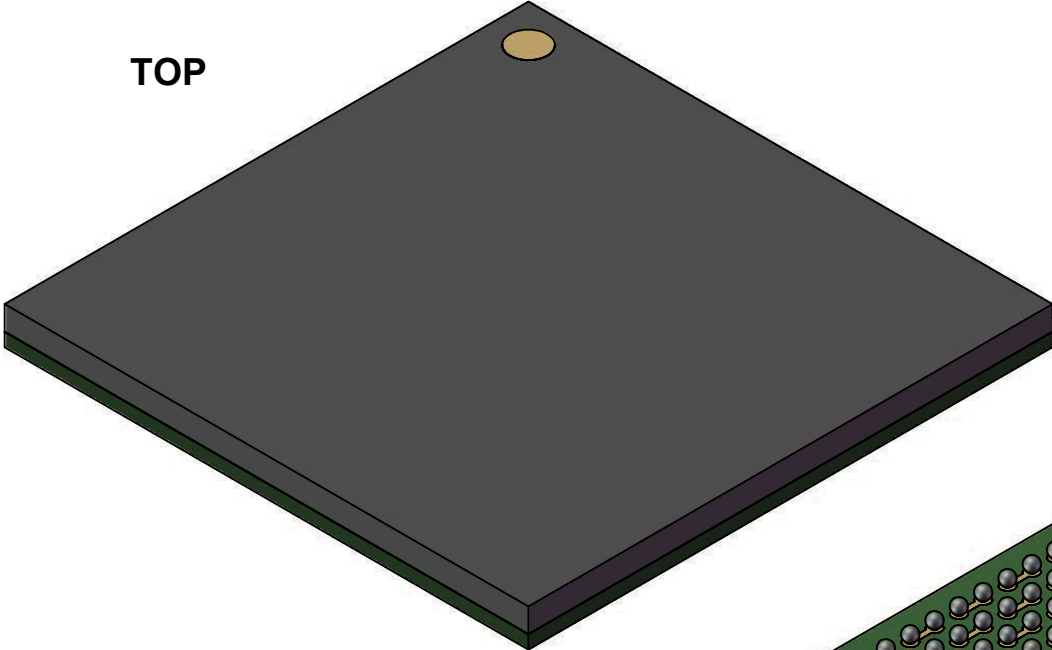
Notes:

- 1) PCB BOARD DIMENSIONS ARE PRESENTED ONLY AS A GUIDELINE. DESIGNERS SHOULD USE THEIR OWN EXPERIENCE WHEN DESIGNING PCB.
- 2) PCB Cu PAD DIAMETER 0.457mm (18mil).
- 3) PCB DAISY CHAIN TRACING LINE WIDTH 0.152mm (6mil).
- 4) SMD (SOLDER MASK DEFINED) PAD OPENING 0.305mm (12mil).

|                             |      |  |              |
|-----------------------------|------|--|--------------|
| <b>TopLine</b> <sup>®</sup> |      |  |              |
| TITLE                       |      | BGA400T.65-DC209D<br>DAISY CHAIN DUMMY |              |
| SCALE                       | SIZE | DRAWING NO.                            | REV          |
| 5:1                         | A    | 562093                                 | A            |
| DO NOT SCALE DRAWING        |      |  | SHEET 2 OF 3 |

MODEL

TOP



BOTTOM

|  |           |                       |          |
|--|-----------|-----------------------|----------|
| <b>TopLine</b> <sup>®</sup>                  |           |                       |          |
| TITLE BGA400T.65-DC209D<br>DAISY CHAIN DUMMY |           |                       |          |
| SCALE<br>7:1                                 | SIZE<br>A | DRAWING NO.<br>562093 | REV<br>A |
| DO NOT SCALE DRAWING                         |           | SHEET 3 OF 3          |          |