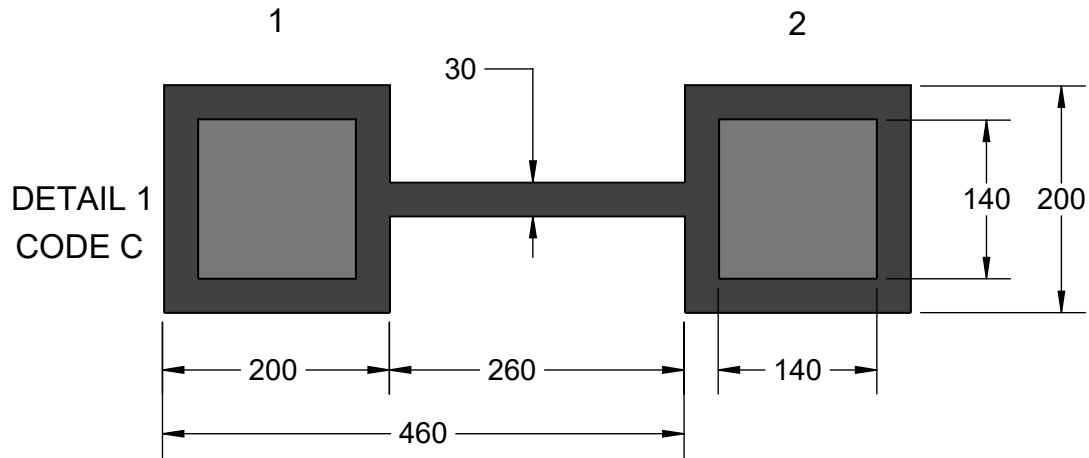
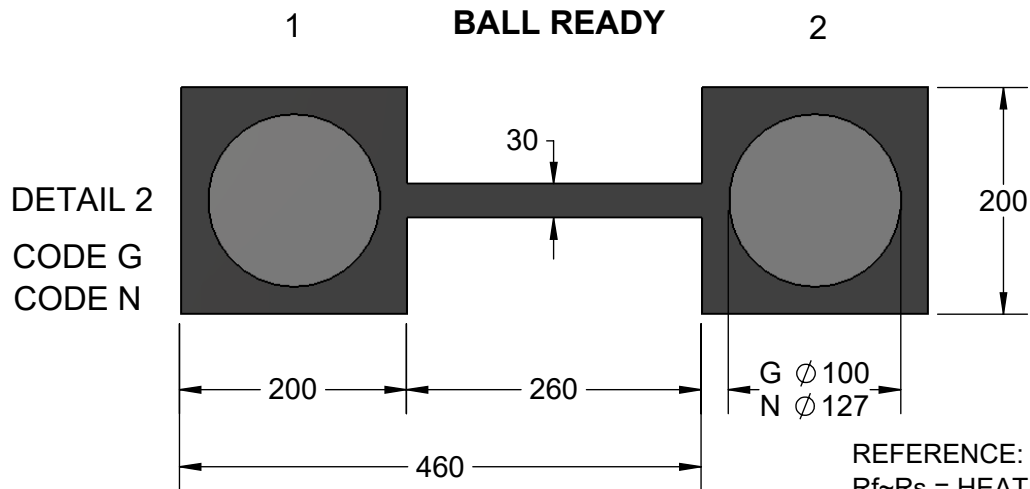


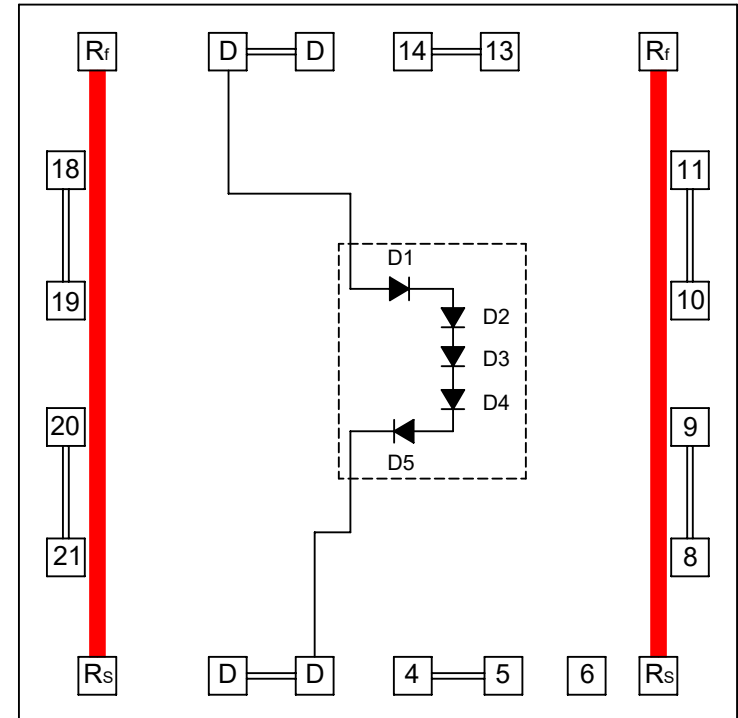
BONDING PAD



BALL READY



PST2 THERMAL DIE 3.8mm x 3.8mm




NOTES:

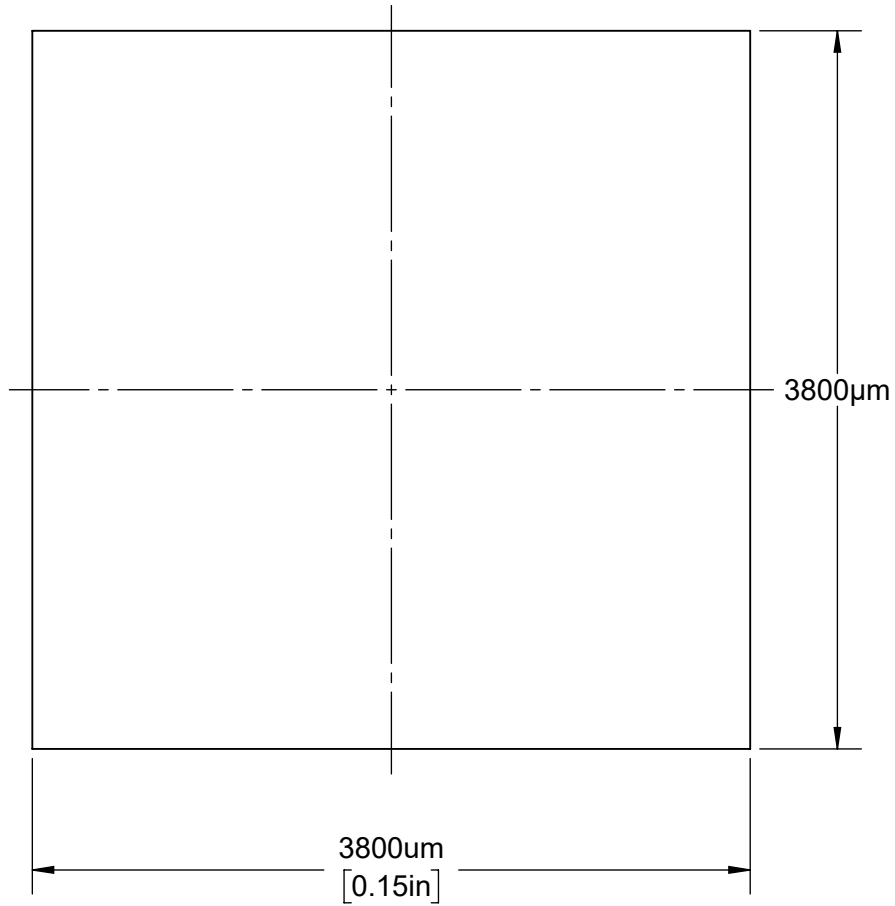
- 1) DIMENSIONS IN MICRONS (μm) OR AS SPECIFIED.
- 2) THICKNESS: 635 μm (OTHER AVAILABLE).
- 3) PASSIVATION: NITRIDE 10KA THICKNESS (1.0 μm).
- 4) PACKAGING: STANDARD WAFFLE PACK (TRAY).
- 5) PAD METAL THICKNESS: 17KA (1.7 μm).
- 6) SILICON ORIENTATION 1-1-1.
- 7) SILICON TYPE P.

PART NUMBER TABLE

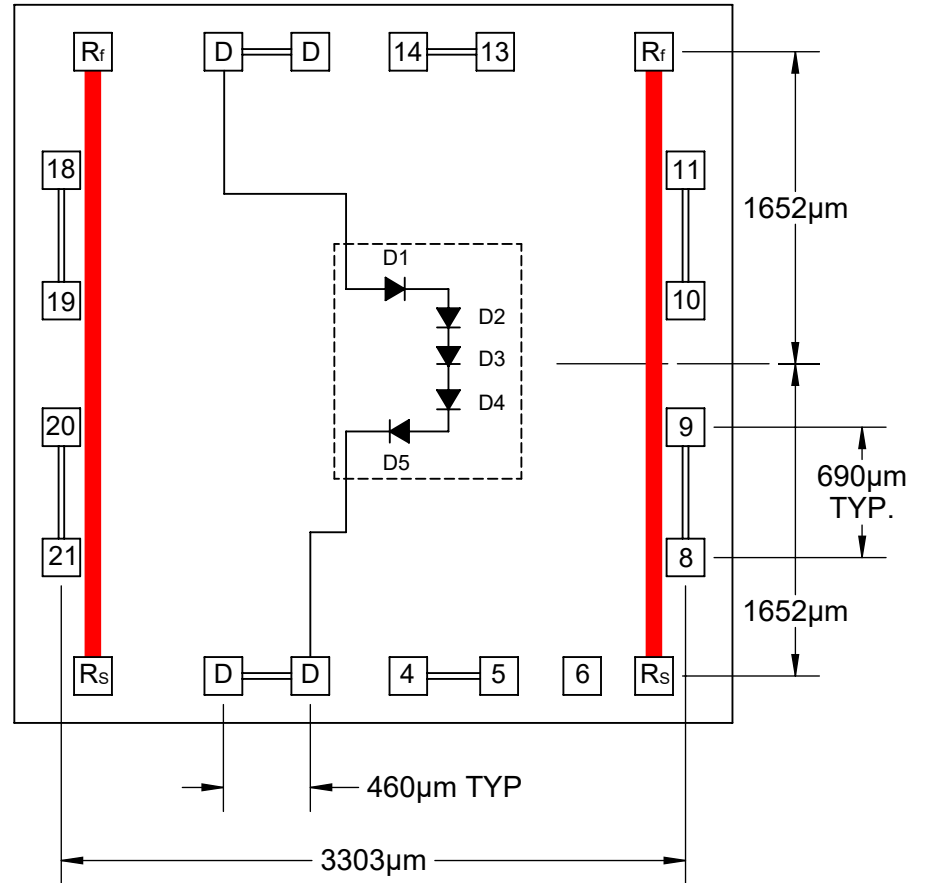
| PART NUMBER | DIE SIZE | DIE PER WAFER | BOND PAD | DETAIL |
|-------------|----------|---------------|---------------------------------|--------|
| PST2-C3.8A | 3.8mm | ~600 | 150 μm SQ | 1 |
| PST2-G3.8A | 3.8mm | ~600 | \varnothing 100 μm | 2 |
| PST2-N3.8A | 3.8mm | ~600 | \varnothing 120 μm | 2 |

| APPROVALS | DATE |  | | | |
|-------------|-----------|---|-----------|-----------------------|--------------|
| DRAWN T. Au | 7/16/2018 | | | | |
| ENG M. Hart | 7/16/2018 | TITLE PST2 THERMAL DIE 3.8mm x 3.8mm | | | |
| MFG | | SCALE 25:1 | SIZE A | DRAWING NO. 120021 | REV A |
| QA | | | | | |
| CUST | | DO NOT SCALE DRAWING | | | SHEET 1 OF 4 |
| REVISED | | | | | |

BACK SIDE



PAD SIDE



REFERENCE:
R_f~R_s = HEATER Si RESISTIVE
D = DIODE

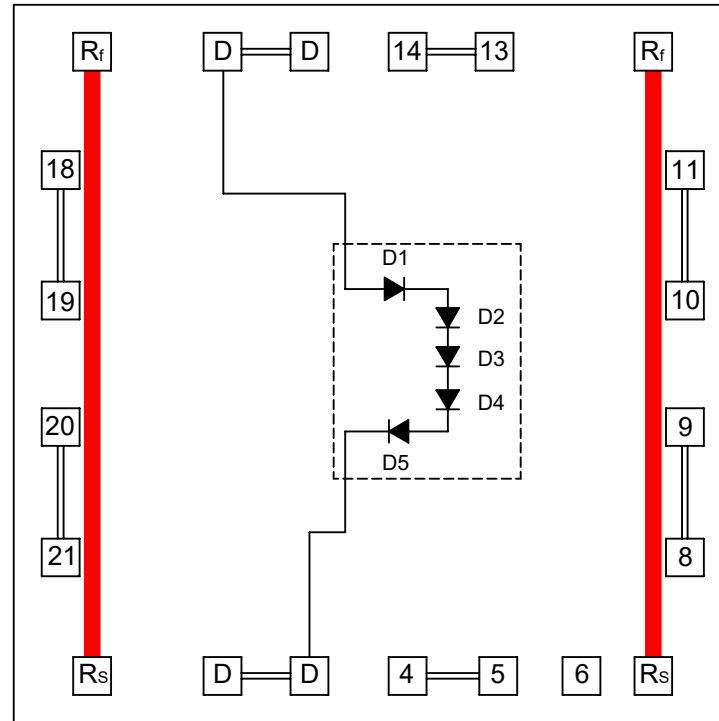
| | | | |
|----------------------|------|-----------------------------------|--------------|
| TopLine® | | | |
| TITLE | | PST2 THERMAL DIE 3.8mm x 3.8mm | |
| SCALE | SIZE | DRAWING NO. | REV |
| 25:1 | A | 120021 | A |
| DO NOT SCALE DRAWING | | | SHEET 2 OF 4 |

NET LIST

(0,0) is located at the center of the die

| MICRON um | | | |
|-----------|----------|---------|---------|
| PIN# | NAME | X | Y |
| 1 | Rs (1) | -1484.5 | -1651.5 |
| 2 | D (1) | -794.5 | -1651.5 |
| 3 | D (2) | -334.5 | -1651.5 |
| 4 | Pin 4 | 184.5 | -1651.5 |
| 5 | Pin 5 | 644.5 | -1651.5 |
| 6 | Pin 6 NC | 1104.5 | -1651.5 |
| 7 | Rs (2) | 1484.5 | -1651.5 |
| 8 | Pin 8 | 1651.5 | -1024.5 |
| 9 | Pin 9 | 1651.5 | -334.5 |
| 10 | Pin10 | 1651.5 | 334.5 |
| 11 | Pin11 | 1651.5 | 1024.5 |
| 12 | Rf (1) | 1484.5 | 1651.5 |
| 13 | Pin13 | 644.5 | 1651.5 |
| 14 | Pin14 | 184.5 | 1651.5 |
| 15 | D (3) | -334.5 | 1651.5 |
| 16 | D (4) | -794.5 | 1651.5 |
| 17 | Rf (2) | -1484.5 | 1651.5 |
| 18 | Pin 18 | -1651.5 | 1024.5 |
| 19 | Pin 19 | -1651.5 | 334.5 |
| 20 | Pin 20 | -1651.5 | -334.5 |
| 21 | Pin 21 | -1651.5 | -1024.5 |

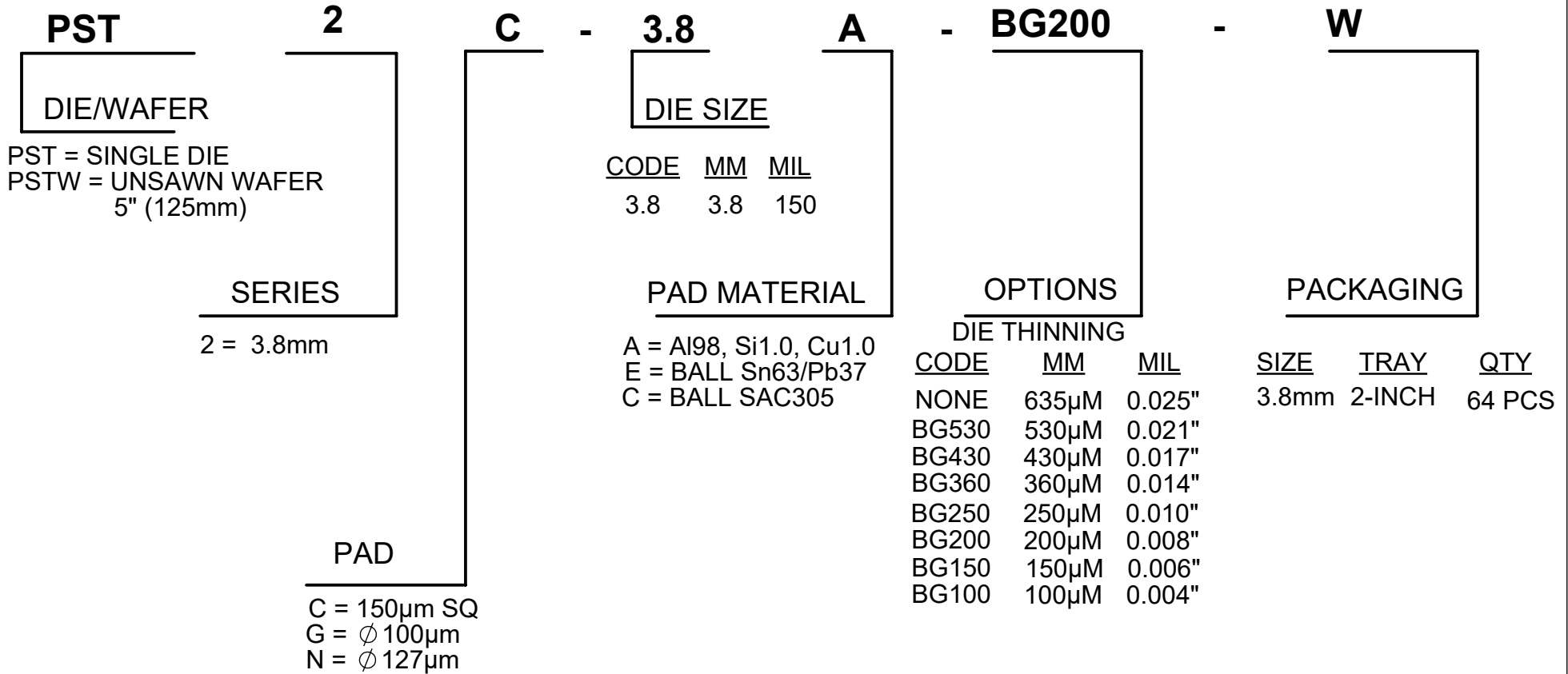
NC = NO CONNECTION



REFERENCE:
 Rf-Rs = HEATER Si RESISTIVE ELEMENTS
 D = DIODE

| | | | |
|---|-----------|-----------------------|----------|
| TopLine® | | | |
| TITLE PST2 THERMAL DIE 3.8mm x 3.8mm | | | |
| SCALE 25:1 | SIZE A | DRAWING NO. 120021 | REV A |
| DO NOT SCALE DRAWING | | SHEET 3 OF 4 | |

PART NUMBERING SYSTEM



| | | | |
|----------------------|------|-----------------------------------|--------------|
| TopLine® | | | |
| TITLE | | PST2 THERMAL DIE 3.8mm x 3.8mm | |
| SCALE | SIZE | DRAWING NO. | REV |
| NONE | A | 120021 | A |
| DO NOT SCALE DRAWING | | | SHEET 4 OF 4 |