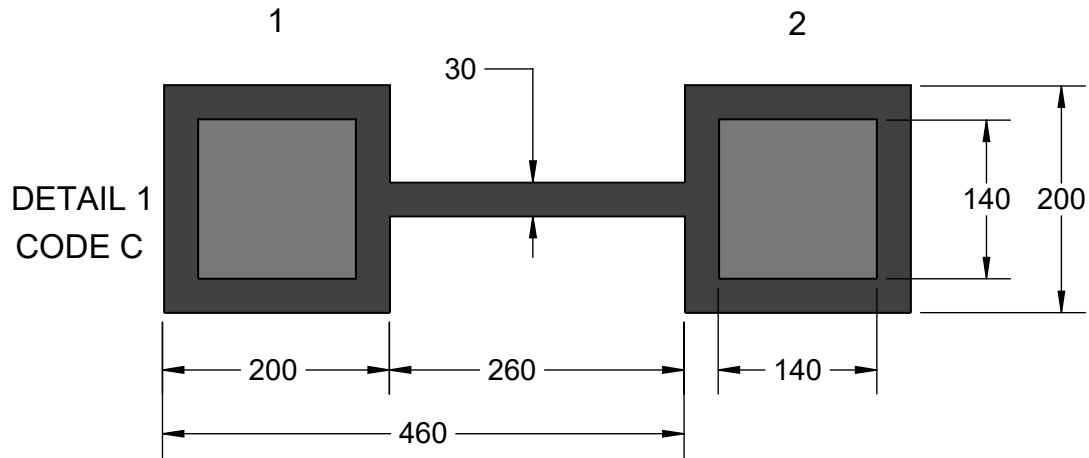
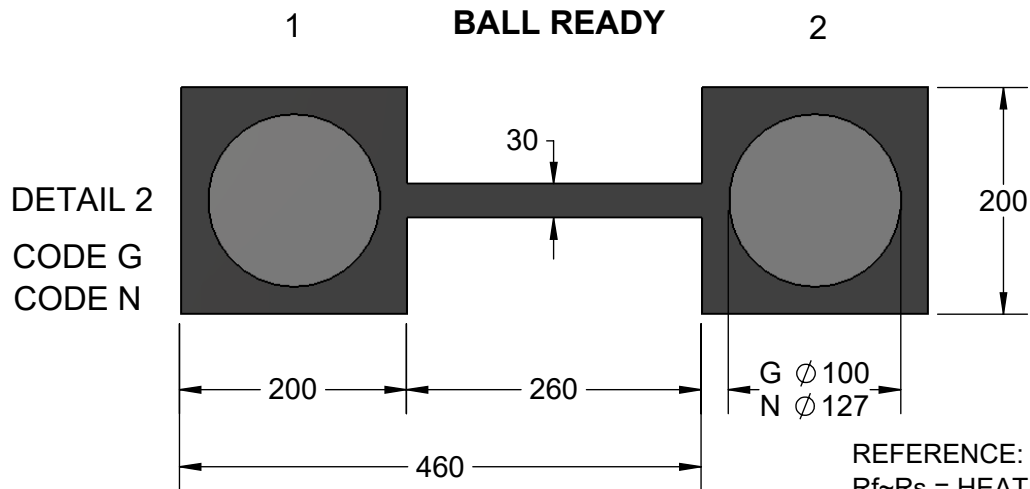


### BONDING PAD

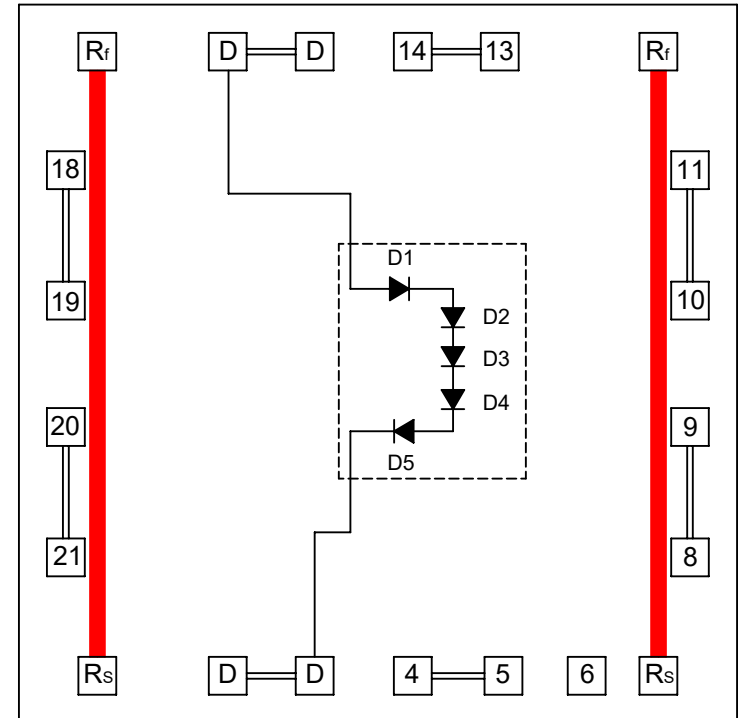


### BALL READY



REFERENCE:  
Rf~Rs = HEATER Si RESISTIVE  
D = DIODE

### PST2 THERMAL DIE 3.8mm x 3.8mm




#### NOTES:

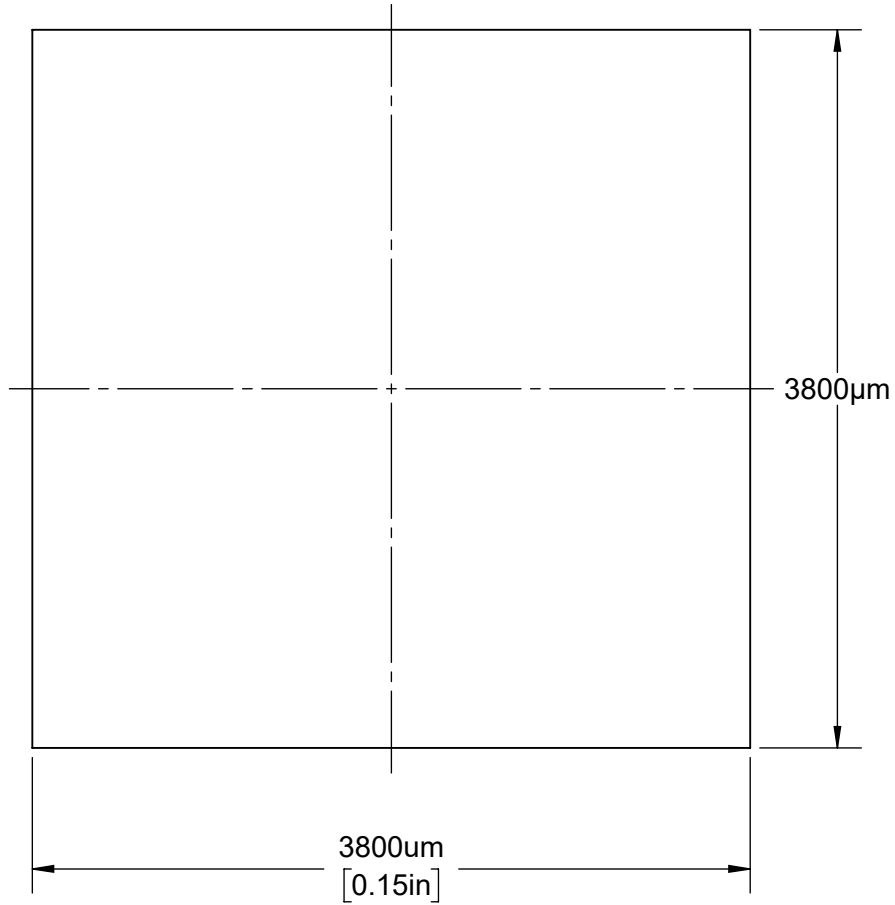
- 1) DIMENSIONS IN MICRONS ( $\mu\text{m}$ ) OR AS SPECIFIED.
- 2) THICKNESS: 635 $\mu\text{m}$  (OTHER AVAILABLE).
- 3) PASSIVATION: NITRIDE 10KA THICKNESS (1.0 $\mu\text{m}$ ).
- 4) PACKAGING: STANDARD WAFFLE PACK (TRAY).
- 5) PAD METAL THICKNESS: 17KA (1.7 $\mu\text{m}$ ).
- 6) SILICON ORIENTATION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

#### PART NUMBER TABLE

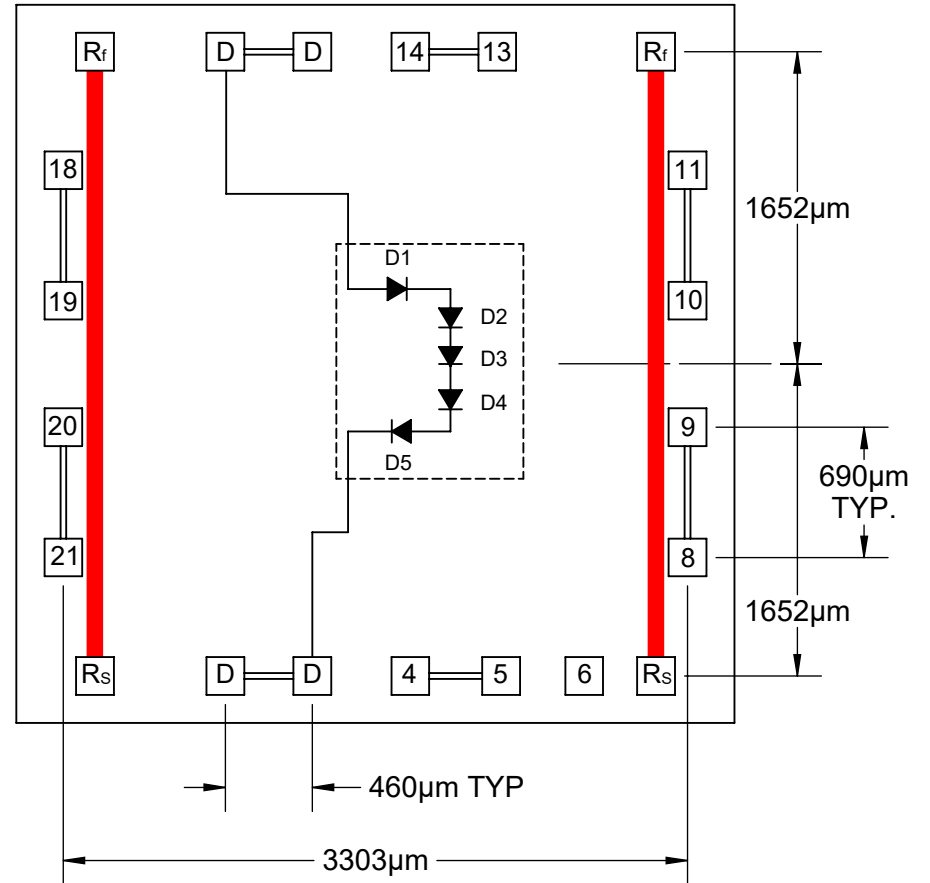
PART NUMBER	DIE SIZE	DIE PER WAFER	BOND PAD	DETAIL
PST2-C3.8A	3.8mm	~600	150 $\mu\text{m}$ SQ	1
PST2-G3.8A	3.8mm	~600	$\varnothing$ 100 $\mu\text{m}$	2
PST2-N3.8A	3.8mm	~600	$\varnothing$ 120 $\mu\text{m}$	2

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		DO NOT SCALE DRAWING			SHEET 1 OF 4
CUST					
REVISED					

**BACK SIDE**



**PAD SIDE**



REFERENCE:  
Rf~Rs = HEATER Si RESISTIVE  
D = DIODE

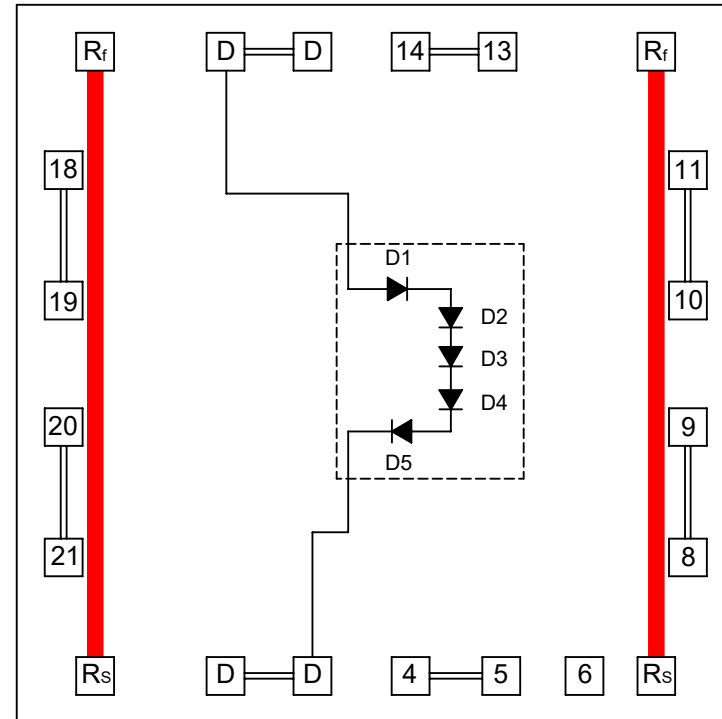
<b>TopLine®</b>			
TITLE		PST2 THERMAL DIE 3.8mm x 3.8mm	
SCALE	SIZE	DRAWING NO.	REV
25:1	A	120021	A
DO NOT SCALE DRAWING			SHEET 2 OF 4

## 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<sup>®</sup>**

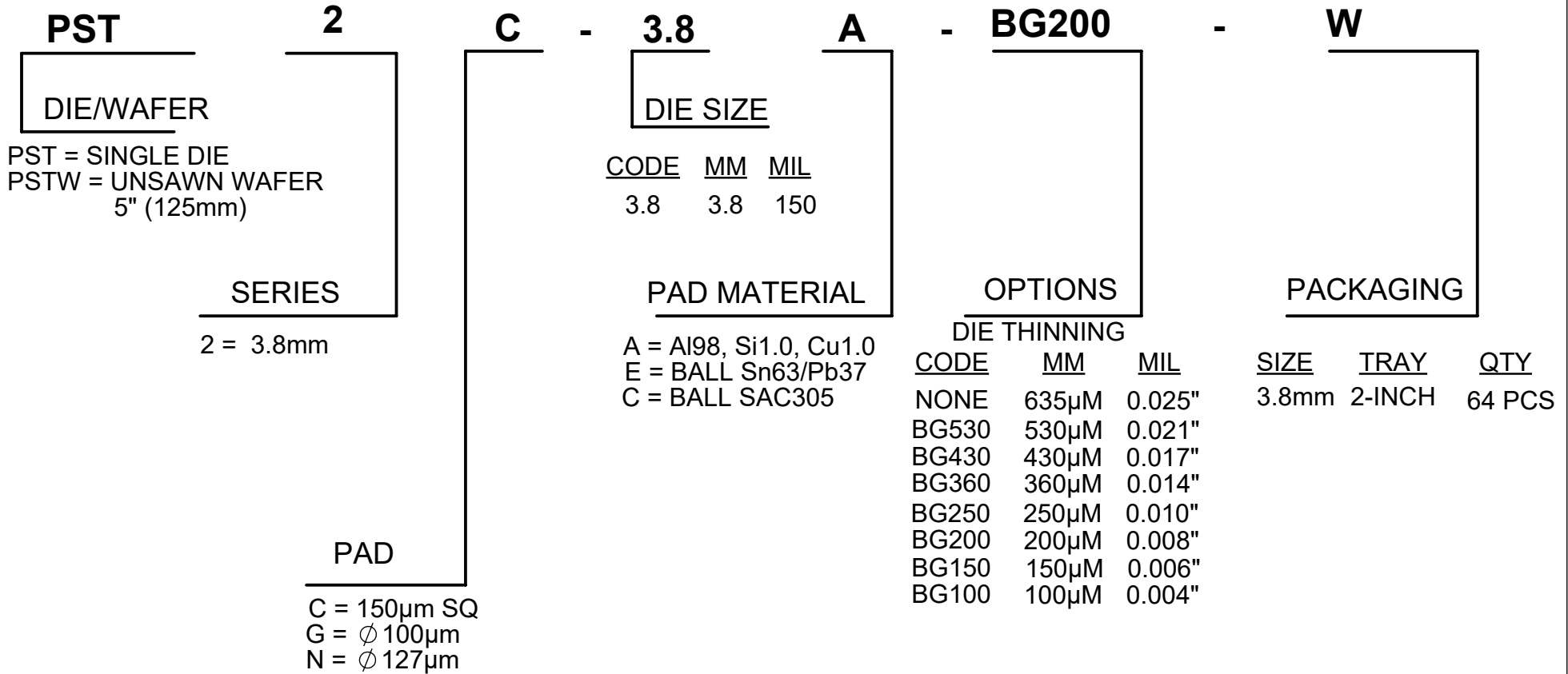
TITLE PST2 THERMAL DIE  
3.8mm x 3.8mm

SCALE 25:1	SIZE A	DRAWING NO. 120021	REV A
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DO NOT SCALE DRAWING

SHEET 3 OF 4

# PART NUMBERING SYSTEM



<b>TopLine®</b>			
TITLE      PST2 THERMAL DIE 3.8mm x 3.8mm			
SCALE NONE	SIZE A	DRAWING NO. 120021	REV A
DO NOT SCALE DRAWING			SHEET 4 OF 4