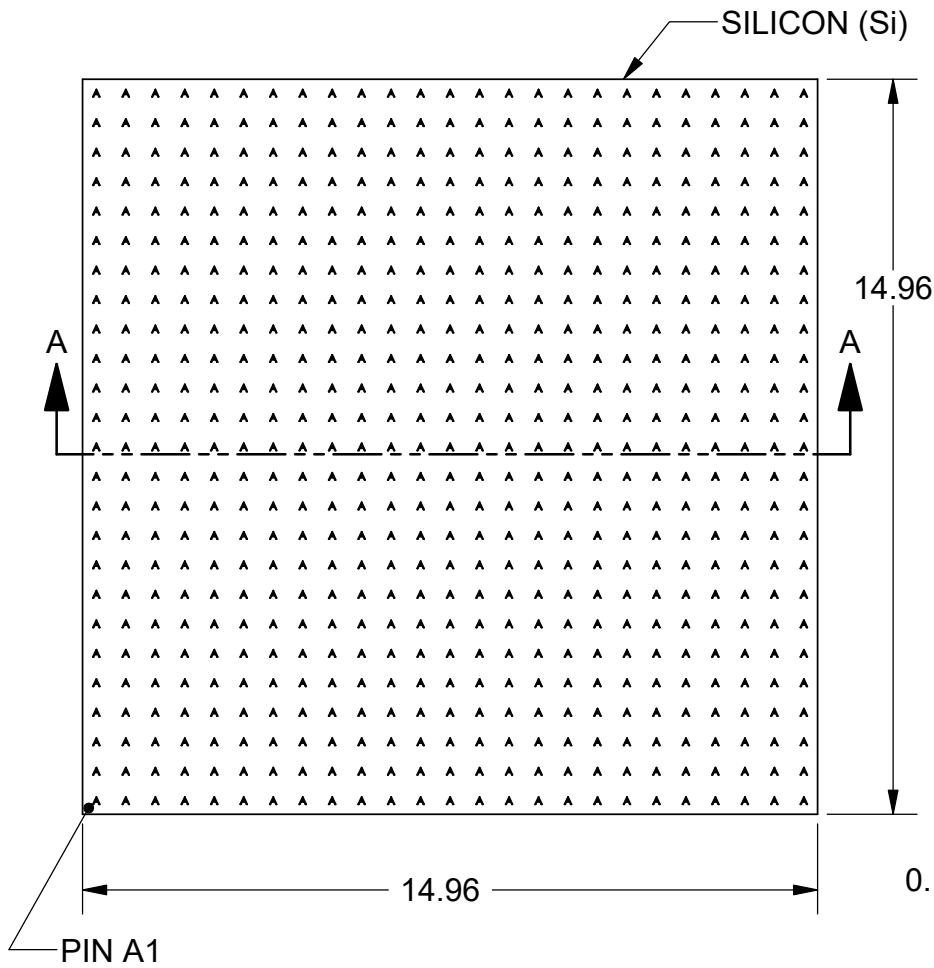
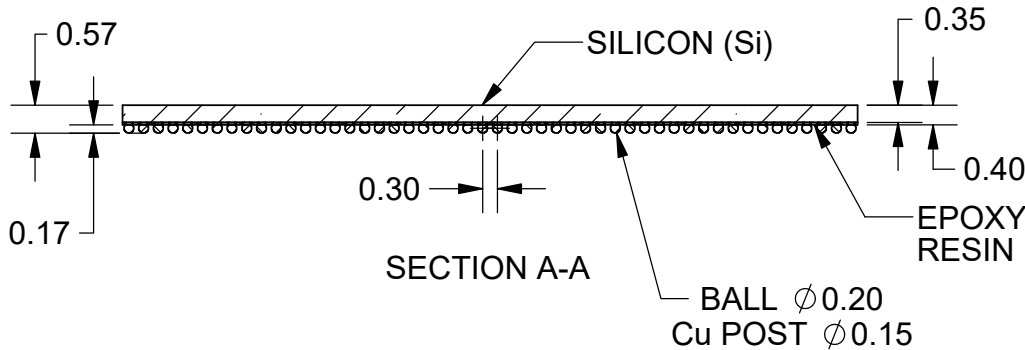
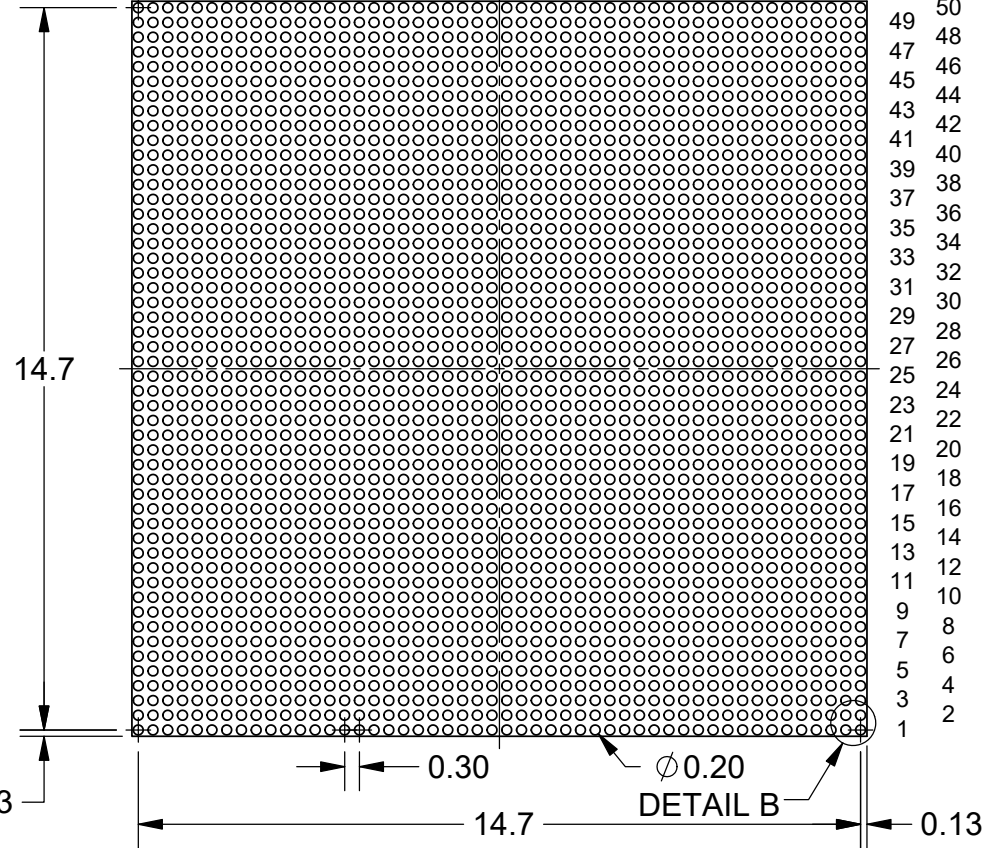


TOP VIEW

PAD VIEW



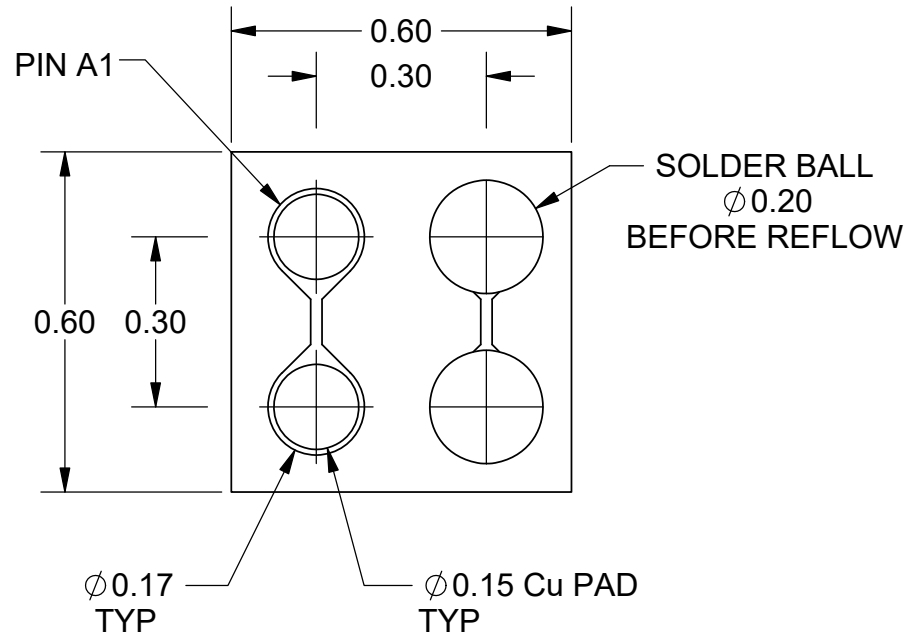
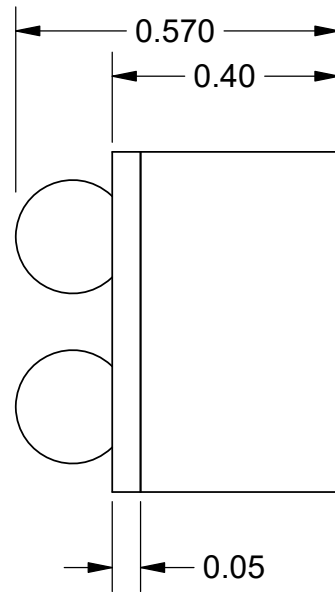
BK BH BF BD BB AY AV AT AP AM AK AH AF AD AB Y V T P M K H F D B  
 BJ BG BE BC BA AW AU AR AN AL AJ AG AE AC AA W U R N L J G E C A



- Notes: (Unless Otherwise Specified).  
 1) ALL DIMENSIONS ARE IN MM.  
 2) PAD ALLOY: Cu (50  $\mu$ m THICK).  
 3) PAD Cu DIAMETER 0.15mm.  
 4) SOLDER BALL ALLOY: SAC305.  
 5) DAISY CHAIN PATTERN (SEE PAGE 3/4).

TOLERANCE UNLESS NOTED		APPROVALS		DATE						
X.X	+/- 0.1	DRAWN J. Hines		10/19/2018						
X.XX	+/- 0.05	ENG M. Hart		10/19/2018		TITLE WLP2500T.3-DC507D				
X.XXX	+/- 0.025	MFG				2500-L P=0.3mm				
ANGLES +/- 0.5°		THIRD ANGLE PROJECTION		SCALE 6.5:1		SIZE A		DRAWING NO. 535070		REV B
ALL DIMENSIONS IN <input type="checkbox"/> INCHES <input checked="" type="checkbox"/> MILLIMETERS		QA				DO NOT SCALE DRAWING		SHEET 1 OF 6		
		CUST								
		REVISED								

DETAIL B



**TopLine**<sup>®</sup>

TITLE WLP2500T.3-DC507D  
2500-L P=0.3mm

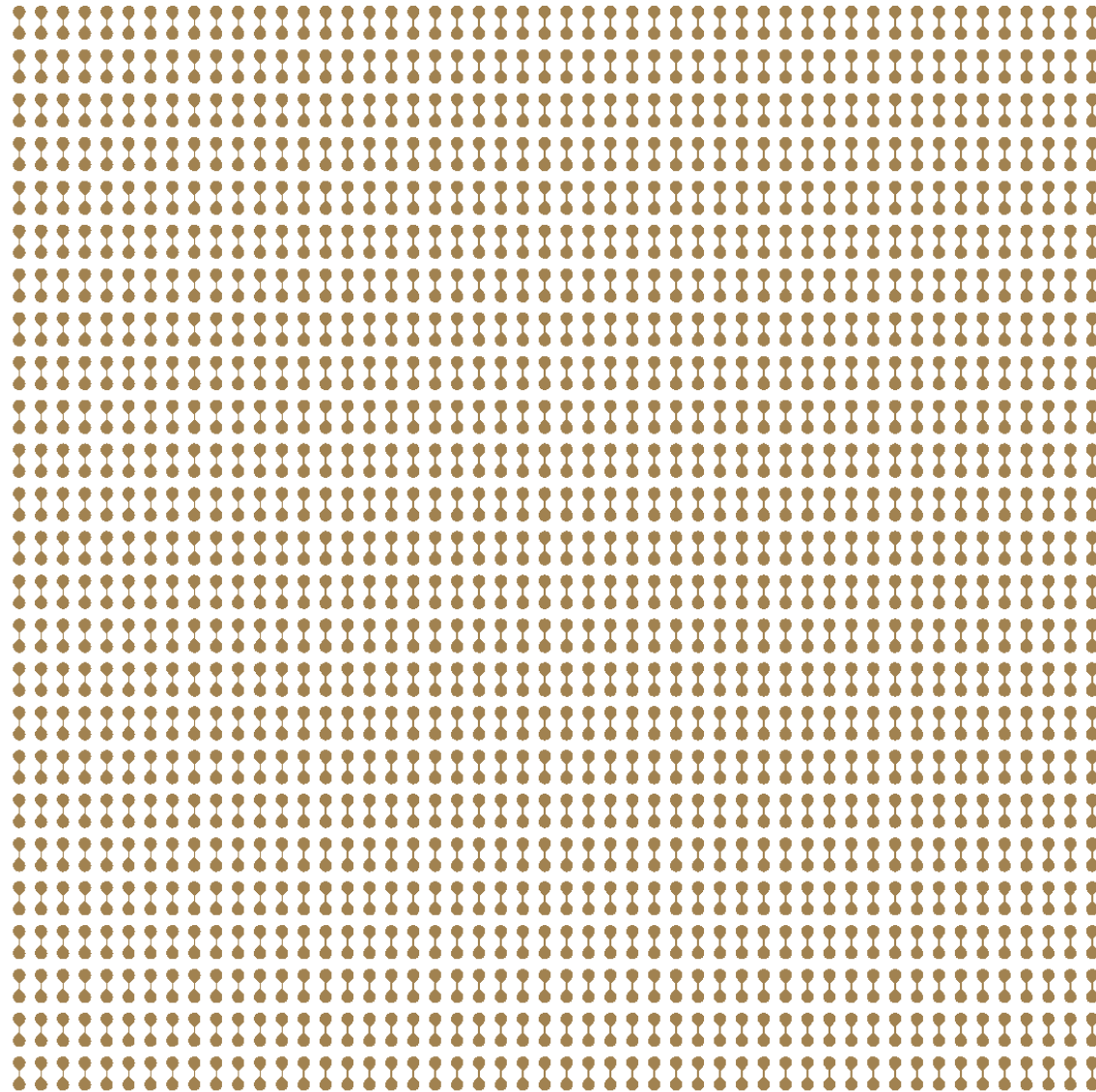
SCALE	SIZE	DRAWING NO.	REV
75:1	A	535070	B

DO NOT SCALE DRAWING

SHEET 2 OF 6

# DAISY CHAIN PATTERN PAD VIEW

BK BH BF BD BB AY AV AT AP AM AK AH AF AD AB Y V T P M K H F D B  
BJ BG BE BC BA AW AU AR AN AL AJ AG AE AC AA W U R N L J G E C A

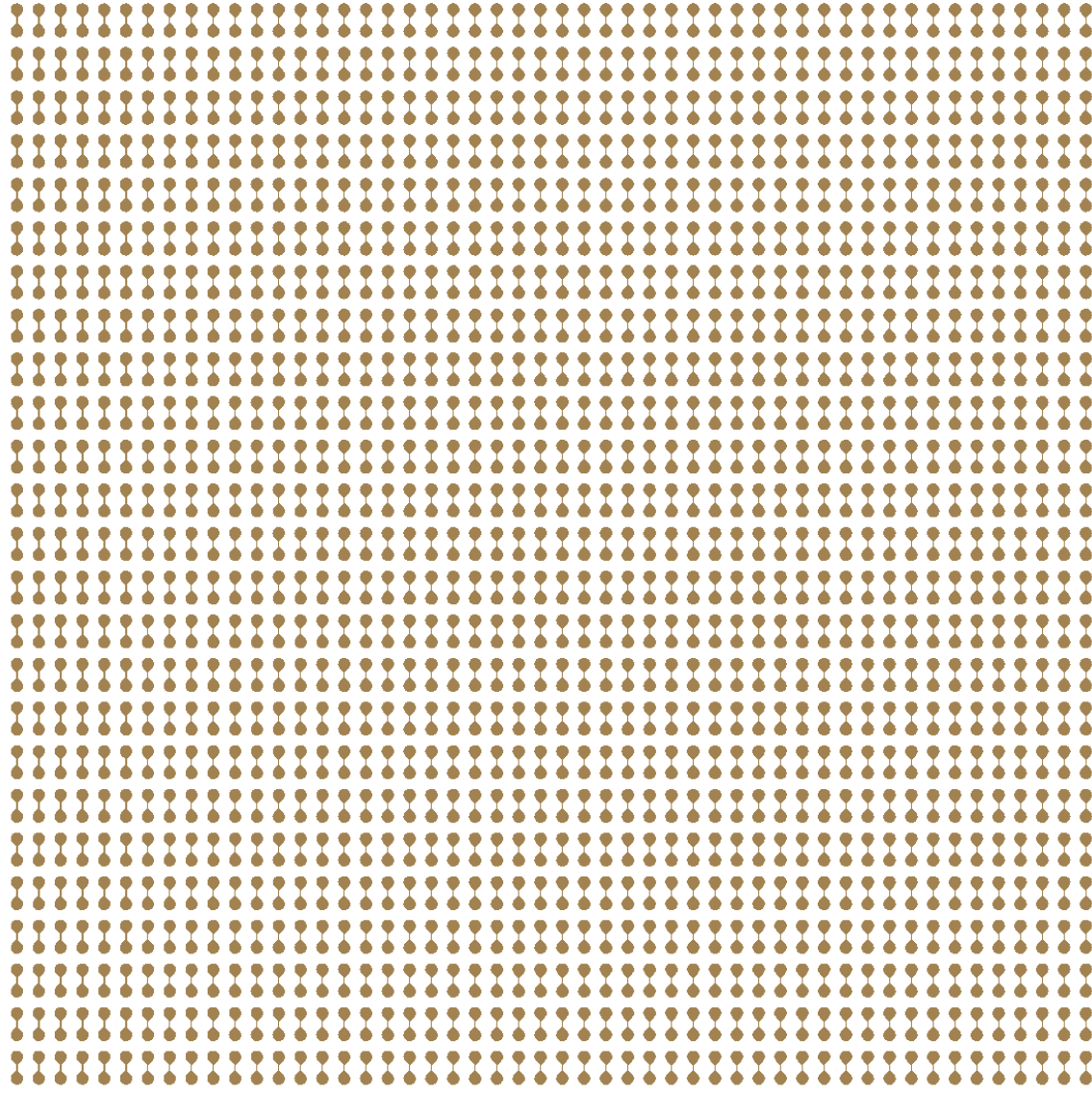


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<b>TopLine</b> <sup>®</sup>			
TITLE    WLP2500T.3-DC507D 2500-L P=0.3mm			
SCALE 10:1	SIZE A	DRAWING NO. 535070	REV B
DO NOT SCALE DRAWING			SHEET 3 OF 6

# DAISY CHAIN PATTERN TOP X-RAY VIEW OF PADS

B D F H K M P T V Y AB AD AF AH AK AM AP AT AV AY BB BD BF BH BK  
 A C E G J L N R U W AA AC AE AG AJ AL AN AR AU AW BA BC BE BG BJ



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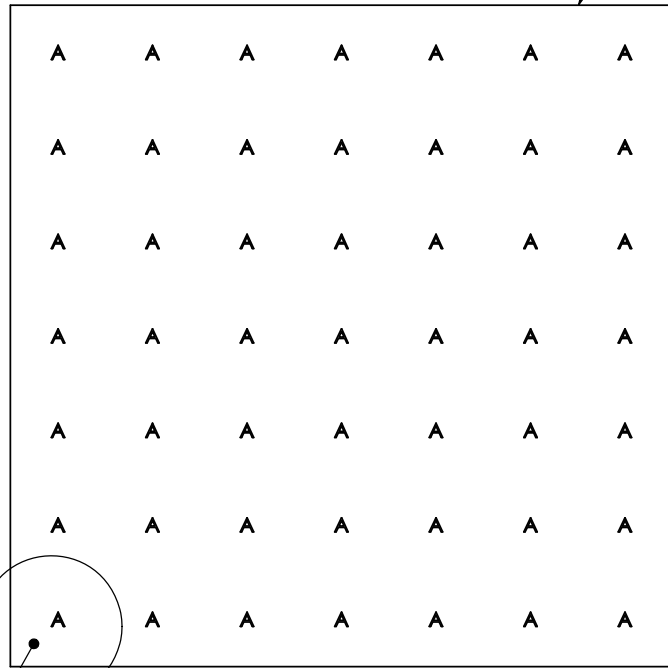
<b>TopLine</b> <sup>®</sup>			
TITLE    WLP2500T.3-DC507D 2500-L P=0.3mm			
SCALE 10:1	SIZE A	DRAWING NO. 535070	REV B
DO NOT SCALE DRAWING			SHEET 4 OF 6

TOP VIEW

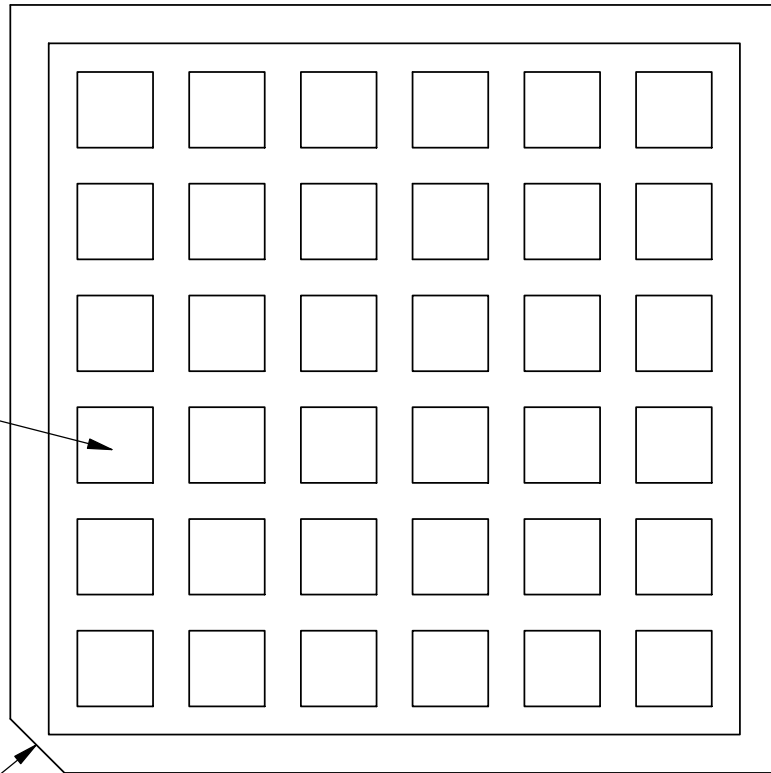
WLP ORIENTATION  
WAFFLE PACK

TYPICAL WAFFLE PACK  
IC CHIP TRAY  
SCALE = 2:1

SILICON (Si)



EXAMPLE ORIENTATION  
OF MARKINGS ON WLP



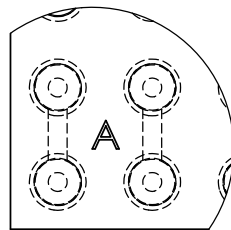
100 MM  
[4.00"]

NUMBER OF POCKETS WILL CHANGE  
BASED ON THE SIZE OF THE WLP CHIP

PIN 1  
CHAMFER

Notes: (Unless Otherwise Specified).

- 1) EXAMPLE OF TOP SIDE LASER MARKING.
- 2) ORIENT LETTERS FOR LOCATION OF PIN A1 CORNER.
- 3) ALLOWABLE LETTER MARKING: A, F, T, M, L, Y, AND P.
- 4) SINGLE LETTER IS REPEATED MULTIPLE TIMES ACROSS TOP SIDE.
- 5) DAISY CHAIN IS HIDDEN UNDER RESIN ON BALL SIZE.
- 6) TOP SIDE DOES NOT HAVE A DOT FOR LOCATION OF PIN A1.
- 7) LETTERS ARE NOT MARKED ON BOTTOM (BALL) SIDE.



DAISY CHAIN  
ORIENTATION

DETAIL C  
SCALE 25 : 1

MARKING CODE	
PITCH	LETTER
0.3MM	A
0.4MM	A OR F
0.5MM	A OR P

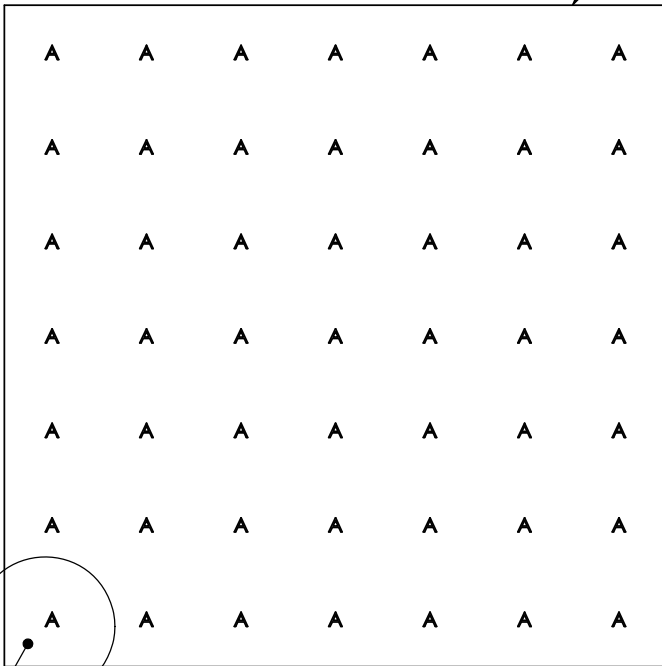
\* SUBJECT TO CHANGE

<b>TopLine</b> <sup>®</sup>			
TITLE		WLP2500T.3-DC507D	
		2500-L P=0.3mm	
SCALE	SIZE	DRAWING NO.	REV
12.5:1	A	535070	B
DO NOT SCALE DRAWING			SHEET 5 OF 6

WLP ORIENTATION  
TAPE AND REEL

TOP VIEW

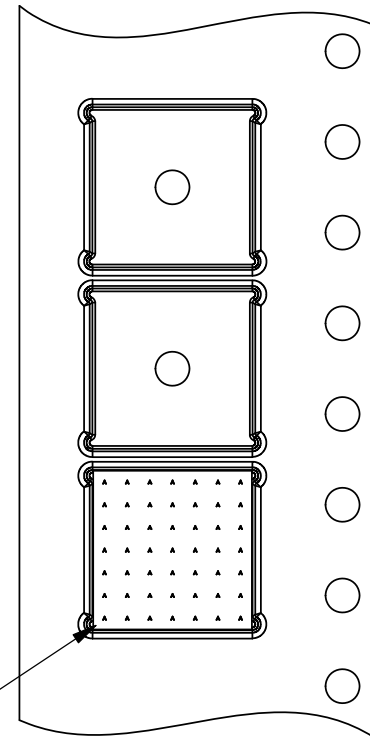
SILICON (Si)



PIN 1

EXAMPLE ORIENTATION  
OF MARKINGS ON WLP

D

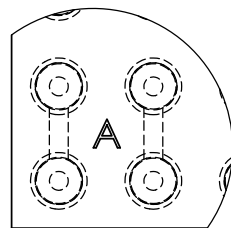


PIN 1

DIRECTION OF FEED

Notes: (Unless Otherwise Specified).

- 1) EXAMPLE OF TOP SIDE LASER MARKING.
- 2) ORIENT LETTERS FOR LOCATION OF PIN A1 CORNER.
- 3) ALLOWABLE LETTER MARKING: A, F, T, M, L, Y, AND P.
- 4) SINGLE LETTER IS REPEATED MULTIPLE TIMES ACROSS TOP SIDE.
- 5) DAISY CHAIN IS HIDDEN UNDER RESIN ON BALL SIZE.
- 6) TOP SIDE DOES NOT HAVE A DOT FOR LOCATION OF PIN A1.
- 7) LETTERS ARE NOT MARKED ON BOTTOM (BALL) SIDE.



DAISY CHAIN  
ORIENTATION

DETAIL D  
SCALE 25 : 1

MARKING CODE	
PITCH	LETTER
0.3MM	A
0.4MM	A OR F
0.5MM	A OR P

\* SUBJECT TO CHANGE

<b>TopLine</b> <sup>®</sup>			
TITLE		WLP2500T.3-DC507D	
		2500-L P=0.3mm	
SCALE	SIZE	DRAWING NO.	REV
12.5:1	A	535070	B
DO NOT SCALE DRAWING			SHEET 6 OF 6