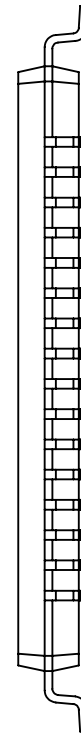
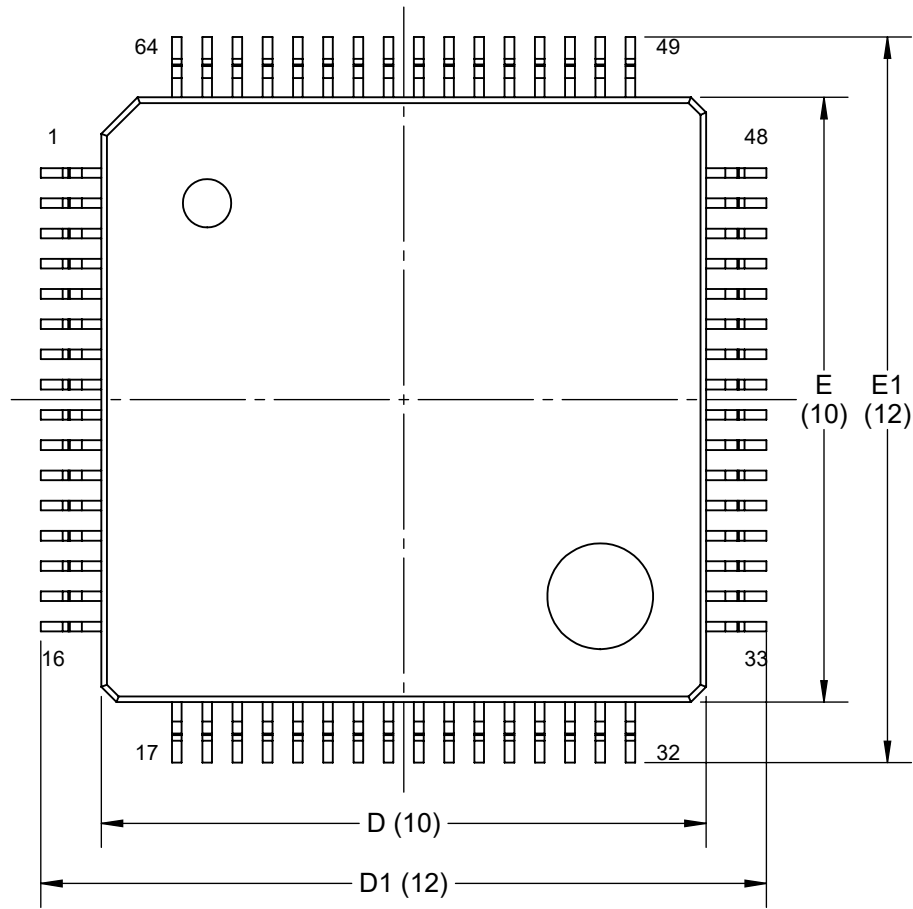
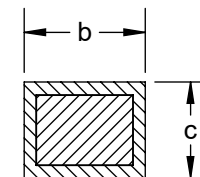
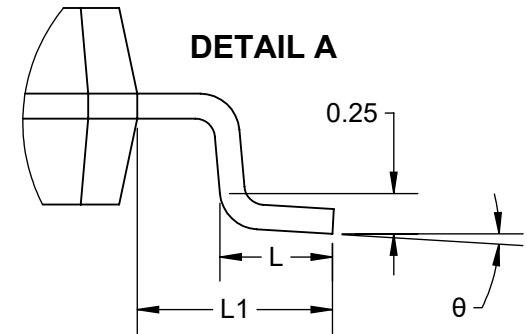


TOP VIEW

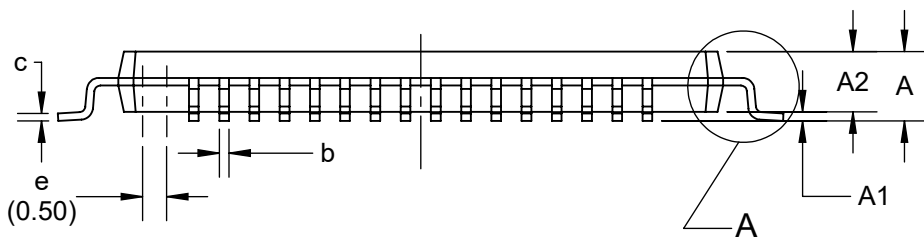
SIDE



DETAIL A



PIN SECTION VIEW



Notes: (Unless Otherwise Specified).

- 1) DIMENSIONS mm.
- 2) BODY PLASTIC, SEMICONDUCTOR GRADE.
- 3) LEAD FRAME COPPER. C-7025 OR C-194.

APPROVALS	DATE	TopLine®			
DRAWN T.Au	9/3/2025				
ENG M. Hart	9/3/2025	TITLE LQFP 64L 10x10 P0.5mm LOW QUAD FLAT PACK			
MFG		SCALE	SIZE	DRAWING NO.	REV
QA		6:1	A	182640	A
CUST		DO NOT SCALE DRAWING			SHEET 1 OF 6
REVISED					

TQFP 1.0mm THICK

SYMBOL	MILLIMETER (mm)		
	MIN	NOM	MAX
A	-	-	1.20
A1	0.05	-	0.15
A2	0.95	1.00	1.05
b	0.13	0.16	0.23
c	0.09	0.127	0.16
D	10.00 BSC		
D1	12.00 BSC		
E	10.00 BSC		
E1	12.00 BSC		
e	0.50 BSC		
L	0.45	0.58	0.75
L1	1.00 REF		
θ	0	3.5°	7°

LQFP 1.4mm THICK

SYMBOL	MILLIMETER (mm)		
	MIN	NOM	MAX
A	-	-	1.60
A1	0.05	-	0.15
A2	1.35	1.40	1.45
b	0.13	0.16	0.23
c	0.09	0.127	0.16
D	10.00 BSC		
D1	12.00 BSC		
E	10.00 BSC		
E1	12.00 BSC		
e	0.50 BSC		
L	0.45	0.58	0.75
L1	1.00 REF		
θ	0	3.5°	7°

TopLine®

TITLE LQFP 64L 10x10 P0.5mm
LOW QUAD FLAT PACK

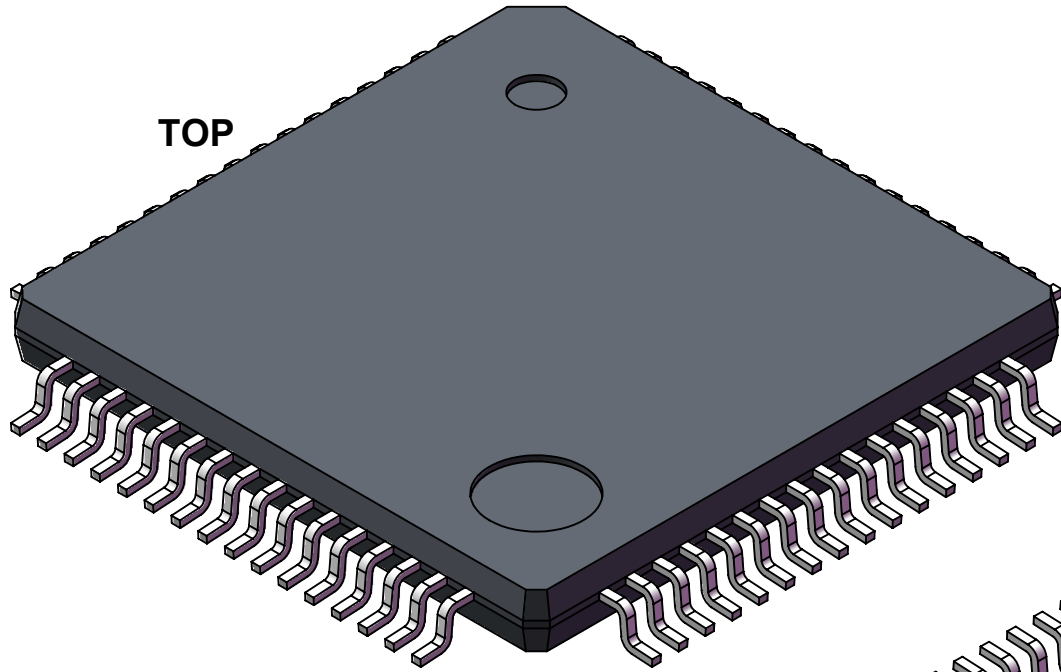
SCALE NONE	SIZE A	DRAWING NO. 182640	REV A
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DO NOT SCALE DRAWING

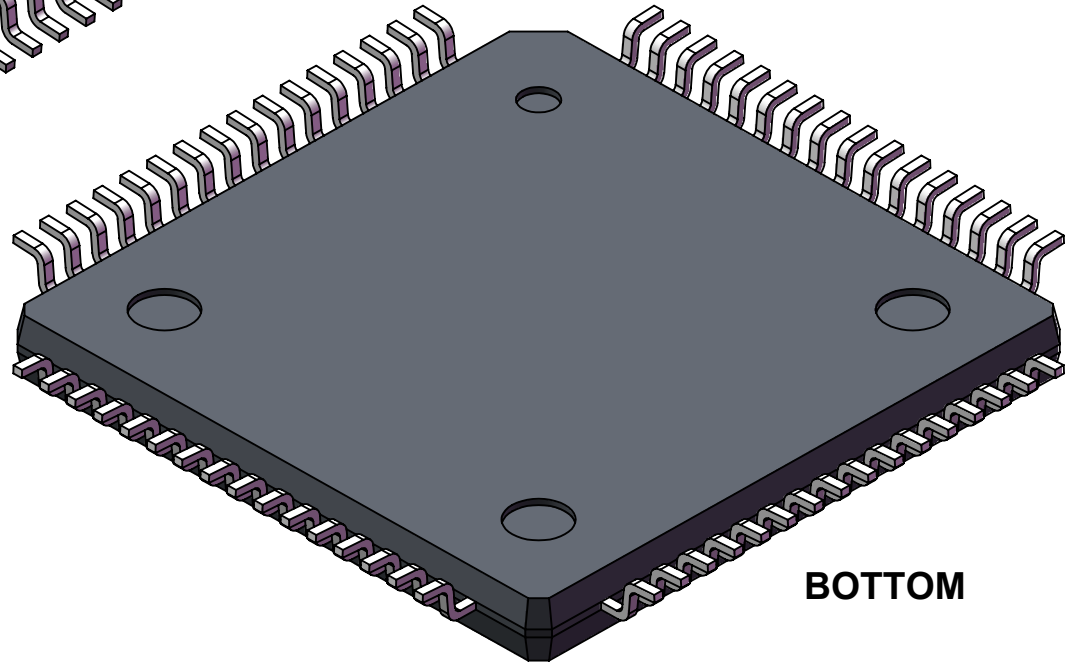
SHEET 2 OF 6

MODEL

TOP



BOTTOM



TopLine[®]

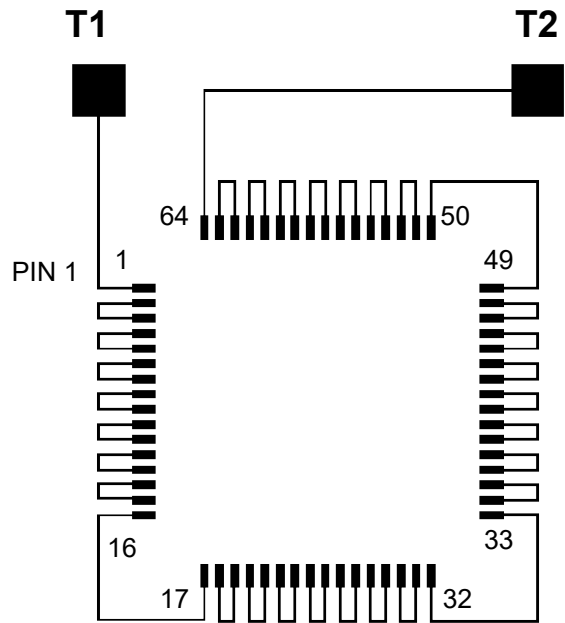
TITLE LQFP 64L 10x10 P0.5mm
LOW QUAD FLAT PACK

SCALE 7:1	SIZE A	DRAWING NO. 182640	REV A
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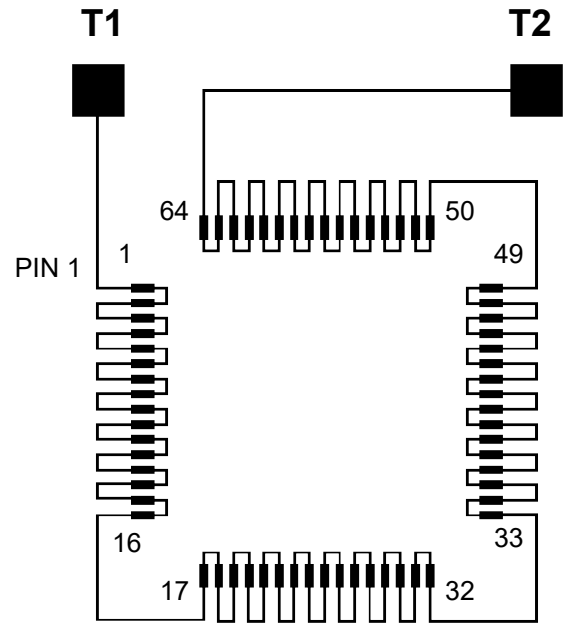
DO NOT SCALE DRAWING

SHEET 3 OF 6

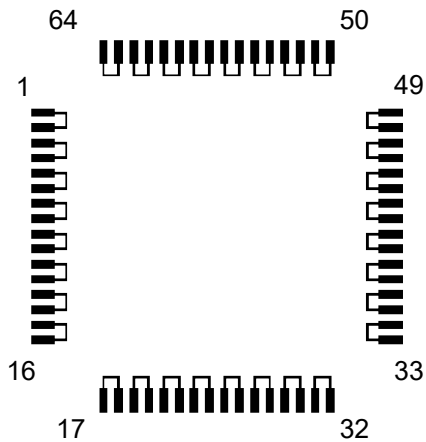
DAISY CHAIN OPTIONAL



PCB PADS



**AFTER MOUNT
ON PCB**

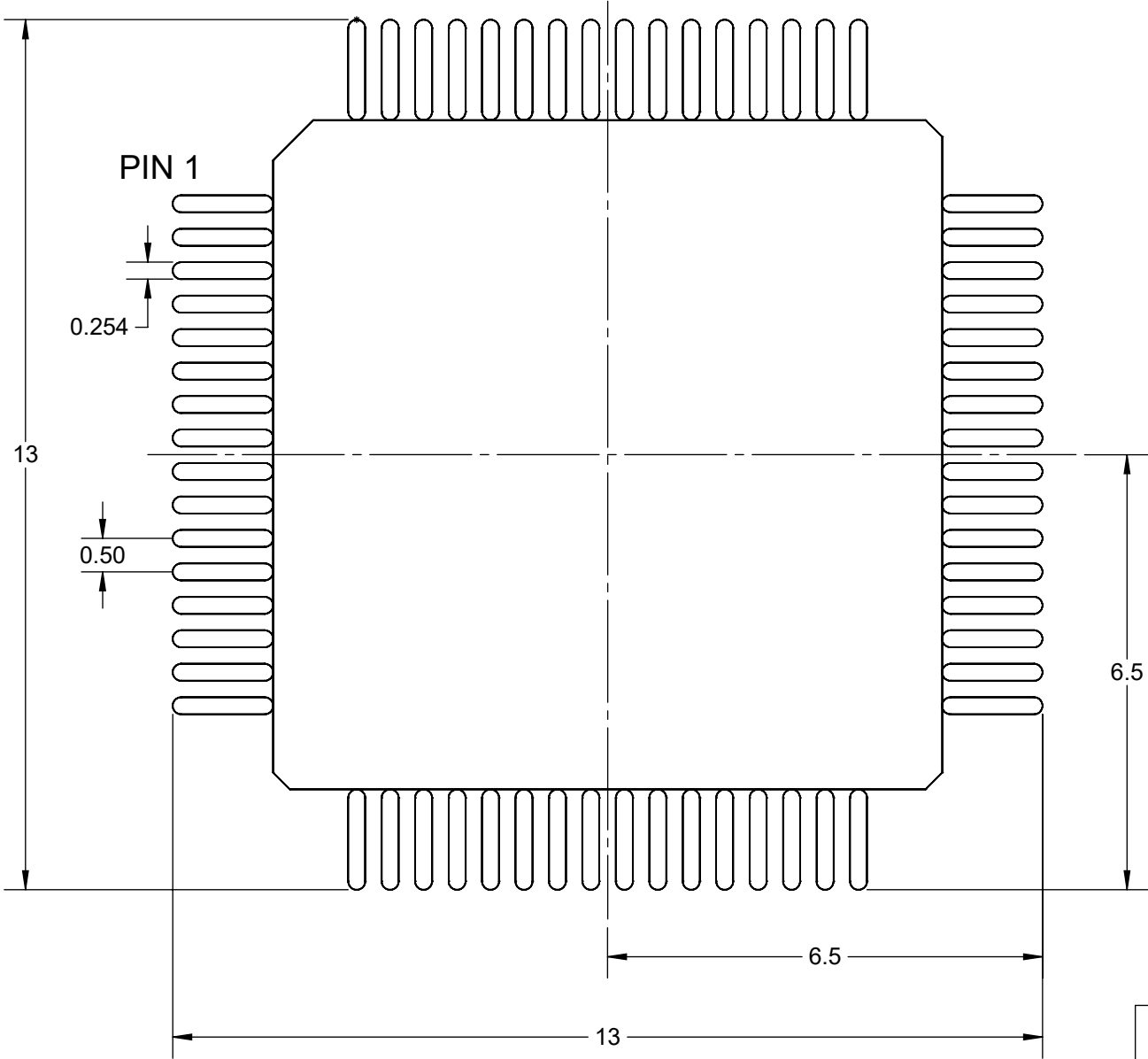


TOP COMPONENT

DAISY CHAIN NET LIST		
PINS		PINS
1 ~ 2	23 ~ 24	45 ~ 46
3 ~ 4	25 ~ 26	47 ~ 48
5 ~ 6	27 ~ 28	49 ~ 50
7 ~ 8	29 ~ 30	51 ~ 52
9 ~ 10	31 ~ 32	53 ~ 54
11 ~ 12	33 ~ 34	55 ~ 56
13 ~ 14	35 ~ 36	57 ~ 58
15 ~ 16	37 ~ 38	59 ~ 60
17 ~ 18	39 ~ 40	61 ~ 62
19 ~ 20	41 ~ 42	63 ~ 64
21 ~ 22	43 ~ 44	

TopLine®			
TITLE LQFP 64L 10x10 P0.5mm LOW QUAD FLAT PACK			
SCALE NONE	SIZE A	DRAWING NO. 182640	REV A
DO NOT SCALE DRAWING			SHEET 4 OF 6

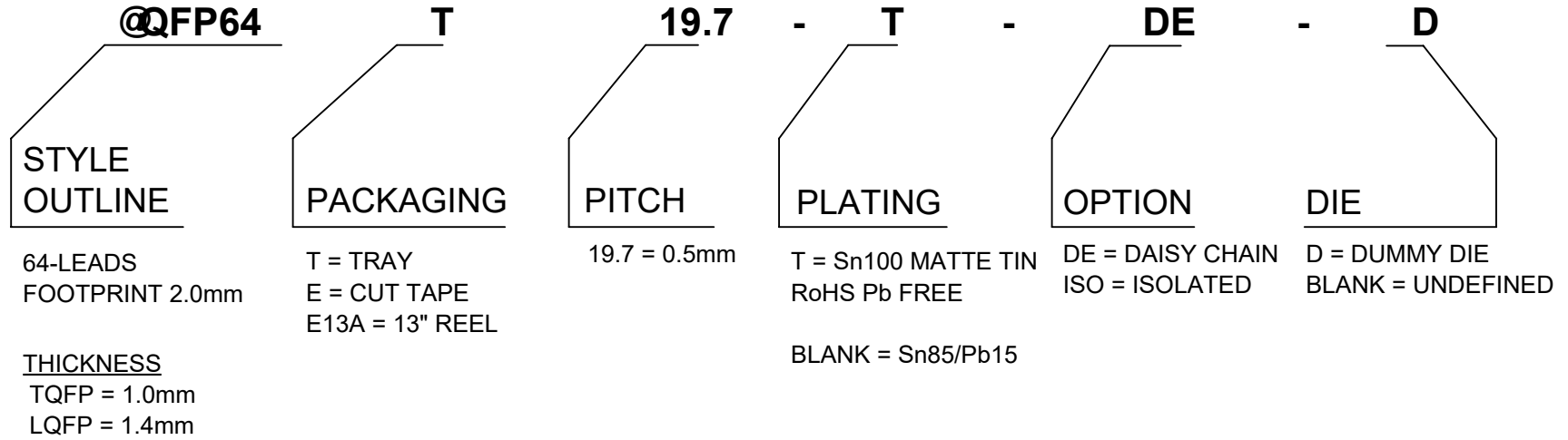
TQFP64 PCB LAND PATTERN



- NOTES:**
- 1. DIMENSIONS mm
 - 2. PCB BOARD DIMENSIONS ARE PRESENTED ONLY AS A GUIDELINE. DESIGNERS SHOULD USE THEIR OWN EXPERIENCE WHEN DESIGNING PCB

TopLine®			
TITLE		LQFP 64L 10x10 P0.5mm LOW QUAD FLAT PACK	
SCALE	SIZE	DRAWING NO.	REV
NONE	A	182640	A
DO NOT SCALE DRAWING			SHEET 5 OF 6

PART NUMBERING SYSTEM



PART NUMBER	DAISY CHAIN	PACKAGING	RoHS Pb-FREE	THERMAL PAD	DUMMY DIE
LQFP64T19.7-T-DE-D	YES	JEDEC TRAY	YES	NO	YES
TQFP64T19.7-D	NO	JEDEC TRAY	NO	YES	YES
LQFP64T19.7-T-DE-D	YES	JEDEC TRAY	YES	NO	YES
LQFP64T19.7-D	NO	JEDEC TRAY	NO	YES	YES

OTHER PART NUMBER COMBINATIONS AVAILABLE. CONTACT TOPLINE.

TopLine®			
TITLE LQFP 64L 10x10 P0.5mm LOW QUAD FLAT PACK			
SCALE NONE	SIZE A	DRAWING NO. 182640	REV A
DO NOT SCALE DRAWING			SHEET 6 OF 6