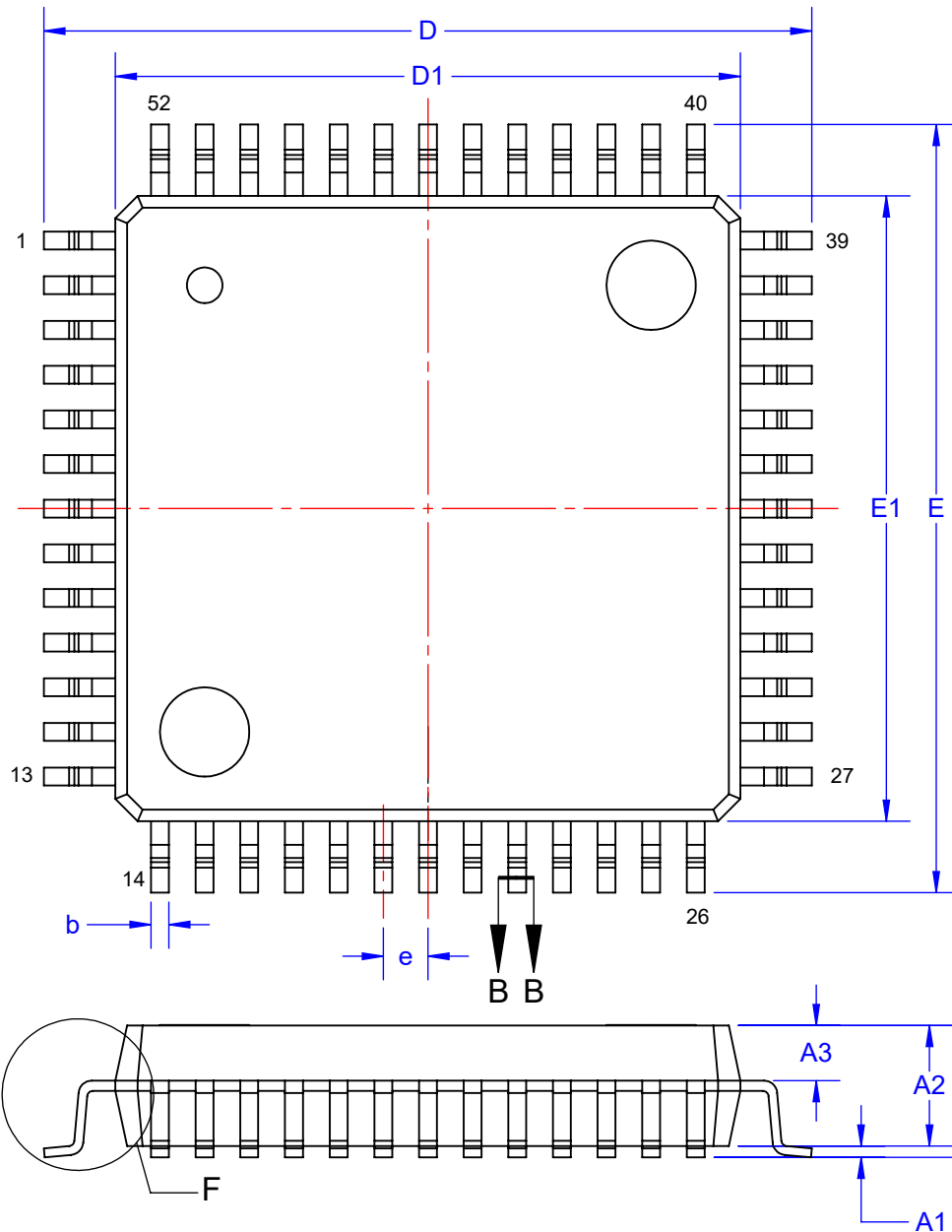
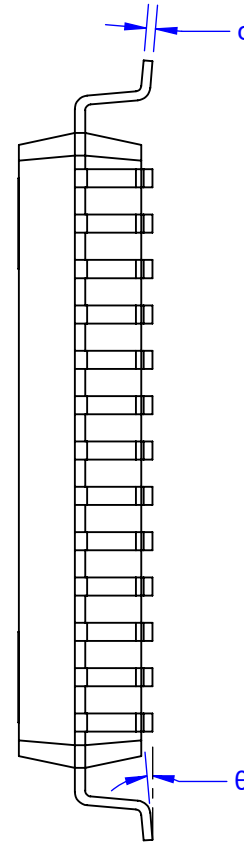


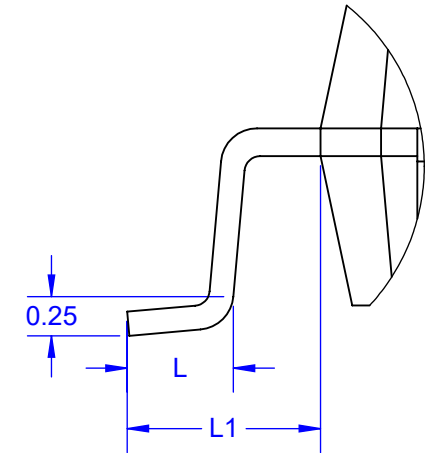
TOP VIEW



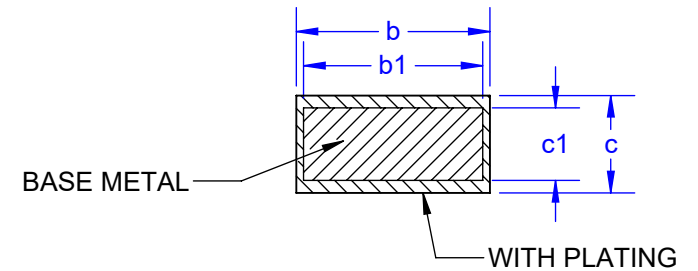
SIDE VIEW



DETAIL F SCALE 16 : 1



SECTION B-B SCALE 64 : 1



Notes: (Unless Otherwise Specified).

- 1) DIMENSIONS mm.
- 2) BODY PLASTIC, SEMICONDUCTOR GRADE.
- 3) LEAD FRAME COPPER. C-194 F/H.

APPROVALS	DATE				
DRAWN T.Au	7/20/2025				
ENG M. Hart	7/20/2025	TITLE QFP 52L 14x14mm P1.0mm QUAD FLAT PACK			
MFG		SCALE 6:1	SIZE A	DRAWING NO. 181520	REV A
QA					
CUST					
REVISED		DO NOT SCALE DRAWING			SHEET 1 OF 5

FOOTPRINT 3.2MM

SYMBOL	MILLIMETER (mm)		
	MIN	NOM	MAX
A	-	-	3.15
A1	0.05	-	0.25
A2	2.6	2.7	2.8
A3	0.95	1.00	1.05
b	0.35	0.40	0.45
b1	0.32	0.37	0.42
c	0.11	-	0.23
c1	0.10	0.15	0.20
D	17.1	17.2	17.3
D1	13.9	14.0	14.1
E	17.1	17.2	17.3
E1	13.9	14.0	14.1
e	1.0 BSC		
L	0.73	0.88	1.03
L1	1.60 BSC		
θ	0	-	8°

FOOTPRINT 3.9MM

SYMBOL	MILLIMETER (mm)		
	MIN	NOM	MAX
A	-	-	3.15
A1	0.05	-	0.25
A2	2.6	2.7	2.8
A3	0.95	1.00	1.05
b	0.35	0.40	0.45
b1	0.32	0.37	0.42
c	0.11	-	0.23
c1	0.10	0.15	0.20
D	17.8	17.9	18.0
D1	13.9	14.0	14.1
E	17.8	17.9	18.0
E1	13.9	14.0	14.1
e	1.0 BSC		
L	0.73	1.0	1.03
L1	1.95 BSC		
θ	0	-	8°

TopLine®

TITLE QFP 52L 14x14mm P1.0mm
QUAD FLAT PACK

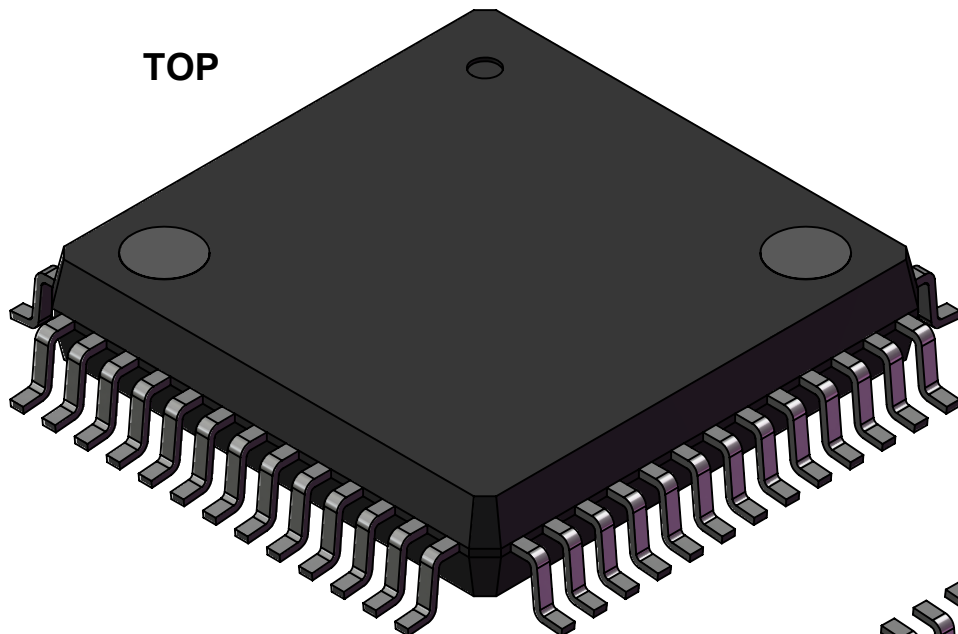
SCALE NONE	SIZE A	DRAWING NO. 181520	REV A
---------------	-----------	-----------------------	----------

DO NOT SCALE DRAWING

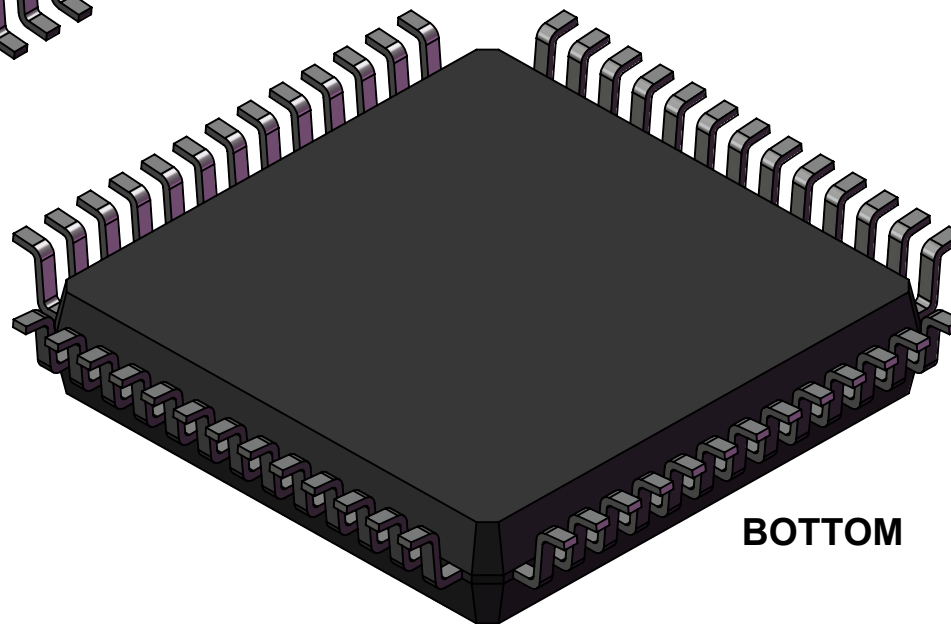
SHEET 2 OF 5

MODEL

TOP



BOTTOM



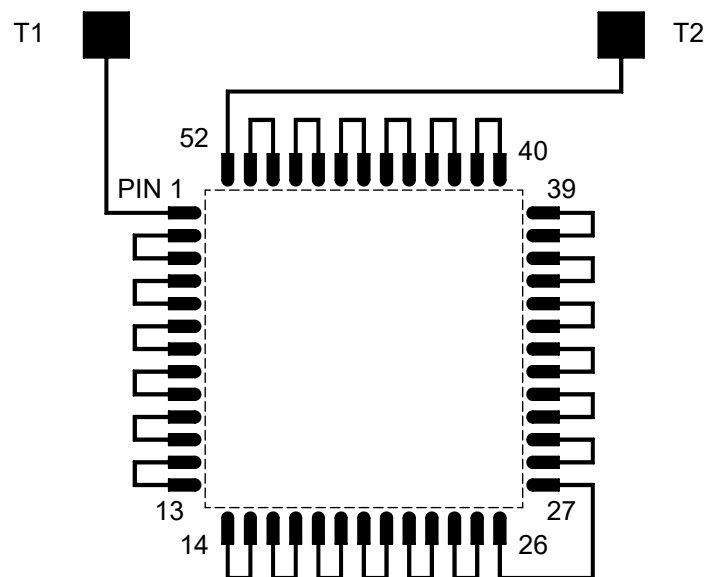
TopLine®

TITLE QFP 52L 14x14mm P1.0mm
QUAD FLAT PACK

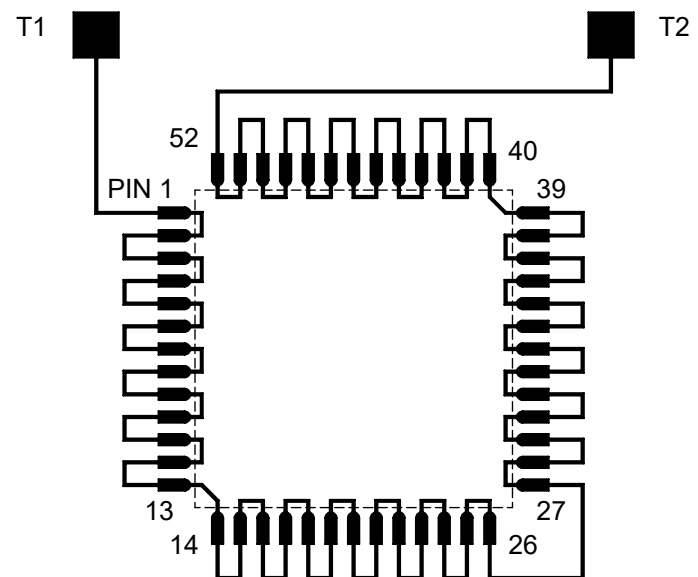
SCALE 6:1	SIZE A	DRAWING NO. 181520	REV A
--------------	-----------	-----------------------	----------

DO NOT SCALE DRAWING

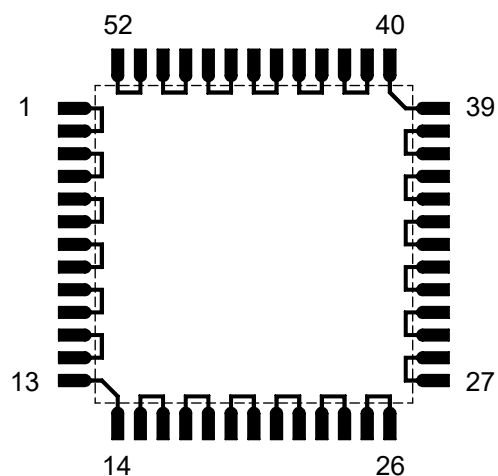
SHEET 3 OF 5



**RECOMMENDED
PCB PADS**



**AFTER MOUNTING
ON PCB**



**COMPONENT
VIEW FROM TOP**

**DAISY CHAIN
NET LIST**

PINS	PINS	PINS	PINS
1 ~ 2	17 ~ 18	33 ~ 34	49 ~ 50
3 ~ 4	19 ~ 20	35 ~ 36	51 ~ 52
5 ~ 6	21 ~ 22	37 ~ 38	
7 ~ 8	23 ~ 24	39 ~ 40	
9 ~ 10	25 ~ 26	41 ~ 42	
11 ~ 12	27 ~ 28	43 ~ 44	
13 ~ 14	29 ~ 30	45 ~ 46	
15 ~ 16	31 ~ 32	47 ~ 48	

TopLine®

TITLE QFP 52L 14x14mm P1.0mm
QUAD FLAT PACK

SCALE
3:1

SIZE
A

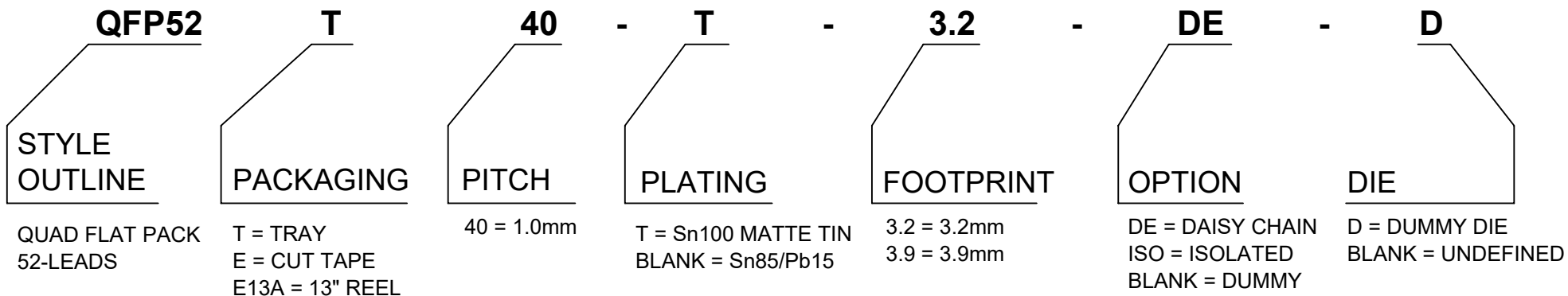
DRAWING NO.
181520

REV
A

DO NOT SCALE DRAWING

SHEET 4 OF 5

PART NUMBERING SYSTEM



PART NUMBER	DAISY CHAIN	PACKAGING	RoHS Pb-FREE	Plating	DUMMY DIE
QFP52T40-T-3.2-DE-D	YES	JEDEC TRAY	YES	Sn100	YES
QFP52T40-T-3.2-ISO	ISOLATED	JEDEC TRAY	YES	Sn100	NO
QFP52T40-T-3.2	NO	JEDEC TRAY	YES	Sn100	OPTIONAL
QFP52E13A40-3.2-DE-D	YES	REEL	YES	Sn100	YES
QFP52T40-3.2	NO	JEDEC TRAY	NO	Sn85/Pb15	OPTIONAL

OTHER PART NUMBER COMBINATIONS AVAILABLE. CONTACT TOPLINE.

TopLine®			
TITLE QFP 52L 14x14mm P1.0mm QUAD FLAT PACK			
SCALE NONE	SIZE A	DRAWING NO. 181520	REV A
DO NOT SCALE DRAWING			SHEET 5 OF 5