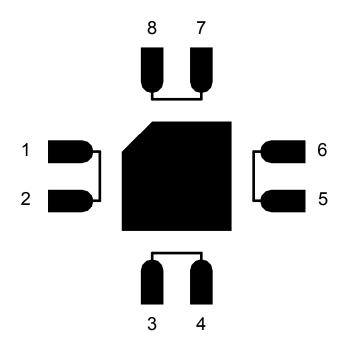
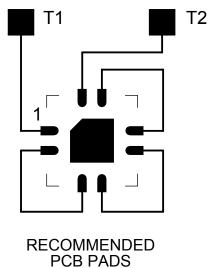
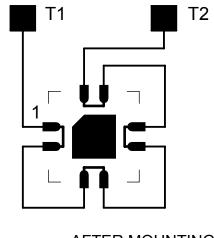


#### **QFN DAISY CHAIN INTERNAL CONNECTIONS**



DAISY CHAIN NET LIST			
PINS	PINS		
1 ~ 2	3 ~ 4		
5 ~ 6	7 ~ 8		



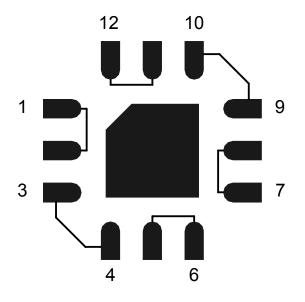


AFTER MOUNTING ON PCB

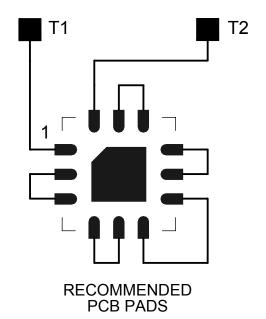
- DAISY CHAIN WIRE BONDED TO INTERNAL PADS. SEE NET LIST FOR CONNNECTIONS BETWEEN PINS. 1.
- 2.
- 3. DRAWING NOT TO SCALE.

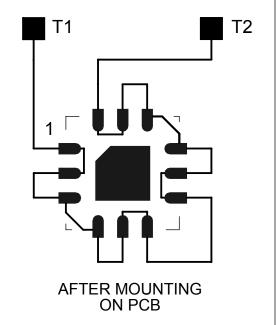
<u>TopLine</u> <sup>®</sup>				
TITLE 8L QFN - DAISY CHAIN				
	PIN CONNECTIONS			
SCALE	SIZE DRAWING NO. REV			
A 120817 A			Α	
DO NOT SCALE DRAWING SHEET 2 OF 20				

#### **QFN DAISY CHAIN INTERNAL CONNECTIONS**



DAISY CHAIN			
NET LIST			
PINS	PINS		
1 ~ 2	3 ~ 4		
5 ~ 6	7 ~ 8		
9 ~ 10	11 ~ 12		

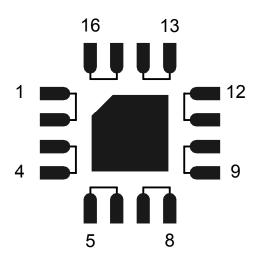




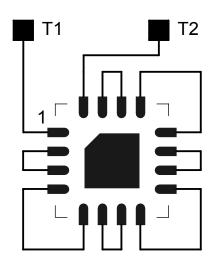
- DAISY CHAIN WIRE BONDED TO INTERNAL PADS. SEE NET LIST FOR CONNNECTIONS BETWEEN PINS. 1.
- 2.
- 3. DRAWING NOT TO SCALE.

<u>TopLine</u> *				
12L QFN - DAISY CHAIN PIN CONNECTIONS				
SCALE   SIZE   DRAWING NO.   REV   A   121217   A				
DO NOT SCALE DRAWING SHEET 3 OF 20				

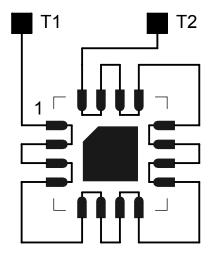
#### **QFN DAISY CHAIN** INTERNAL CONNECTIONS



DAISY CHAIN				
NET	LIST			
PINS	PINS			
1 ~ 2	3 ~ 4			
5 ~ 6	7 ~ 8			
9 ~ 10	11 ~ 12			
13 ~ 14	15 ~ 16			



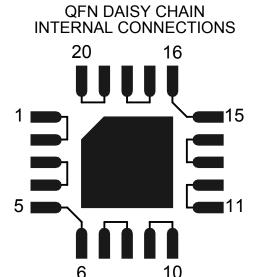
**RECOMMENDED** PCB PADS



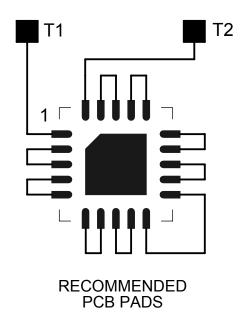
**AFTER MOUNTING** ON PCB

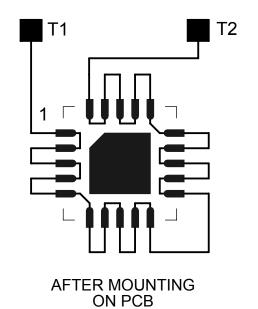
- DAISY CHAIN WIRE BONDED TO INTERNAL PADS. SEE NET LIST FOR CONNNECTIONS BETWEEN PINS. 1.
- 2.
- 3. DRAWING NOT TO SCALE.

	T	<u>opLin</u>	2	
TITLE 16L QFN - DAISY CHAIN				
	PIN CONNECTIONS			
SCALE	SIZE DRAWING NO. REV			
	A 121617 A			Α
DO NOT SCALE DRAWING SHEET 4 OF 20				



DAISY CHAIN				
NET	LIST			
PINS	PINS			
1 ~ 2	3 ~ 4			
5 ~ 6	7 ~ 8			
9 ~ 10	11 ~ 12			
13 ~ 14	15 ~ 16			
17 ~ 18	19 ~ 20			

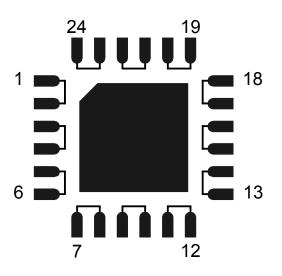




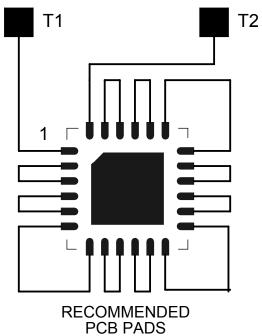
- DAISY CHAIN WIRE BONDED TO INTERNAL PADS. SEE NET LIST FOR CONNNECTIONS BETWEEN PINS. 1.
- 2.
- 3. DRAWING NOT TO SCALE.

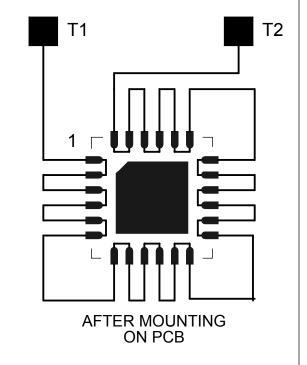
<u>TopLine</u> °				
TITLE 20L QFN - DAISY CHAIN				
PIN CONNECTIONS				
SCALE	SIZE DRAWING NO. REV			
A 122017 A				Α
DO NOT SCALE DRAWING SHEET 5 OF 20				

#### **QFN DAISY CHAIN** INTERNAL CONNECTIONS



DAISY CHAIN				
NET	LIST			
PINS	PINS			
1 ~ 2	3 ~ 4			
5 ~ 6	7 ~ 8			
9 ~ 10	11 ~ 12			
13 ~ 14	15 ~ 16			
17 ~ 18	19 ~ 20			
21 ~ 22	23 ~ 24			

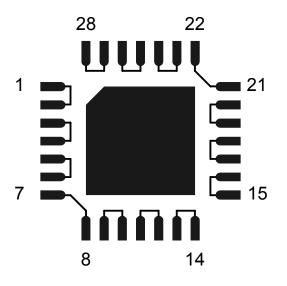




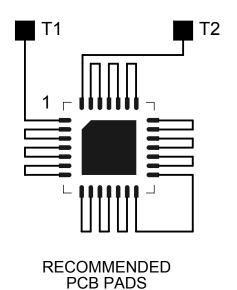
- DAISY CHAIN WIRE BONDED TO INTERNAL PADS. SEE NET LIST FOR CONNNECTIONS BETWEEN PINS. 1.
- 2.
- 3. DRAWING NOT TO SCALE.

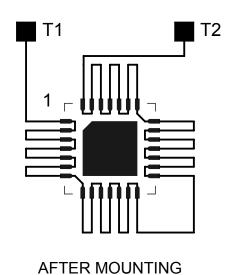
<u>TopLine</u> ®				
24L QFN - DAISY CHAIN PIN CONNECTIONS				
SCALE SIZE DRAWING NO. REV				
A 122417 A				Α
DO NOT SCALE DRAWING SHEET 6 OF 20				

## QFN DAISY CHAIN INTERNAL CONNECTIONS



DAISY CHAIN				
NET	LIST			
PINS	PINS			
1 ~ 2	3 ~ 4			
5 ~ 6	7 ~ 8			
9 ~ 10	11 ~ 12			
13 ~ 14	15 ~ 16			
17 ~ 18	19 ~ 20			
21 ~ 22	23 ~ 24			
25 ~ 26	27 ~ 28			



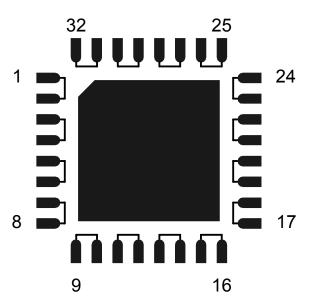


ON PCB

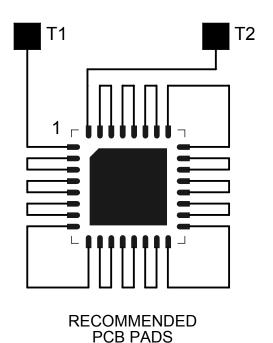
- 1. DAISY CHAIN WIRE BONDED TO INTERNAL PADS.
- 2. SEE NET LIST FOR CONNNECTIONS BETWEEN PINS.
- 3. DRAWING NOT TO SCALE.

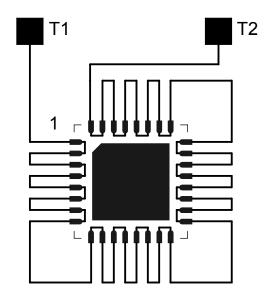
<u>TopLine</u> °				
28L QFN - DAISY CHAIN PIN CONNECTIONS				
SCALE SIZE DRAWING NO. REV				REV
A 122817 A				Α
DO NOT SCALE DRAWING SHEET 7 OF 20				





DAISY CHAIN		
NET	LIST	
PINS	PINS	
1 ~ 2	3 ~ 4	
5 ~ 6	7 ~ 8	
9 ~ 10	11 ~ 12	
13 ~ 14	15 ~ 16	
17 ~ 18	19 ~ 20	
21 ~ 22	23 ~ 24	
25 ~ 26	27 ~ 28	
29 ~ 30	31 ~ 32	

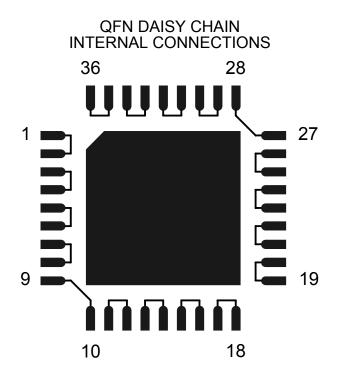




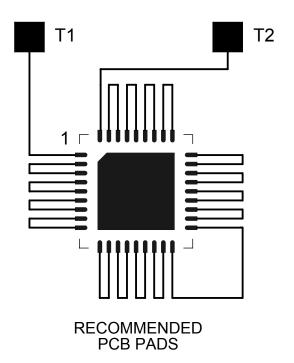
AFTER MOUNTING ON PCB

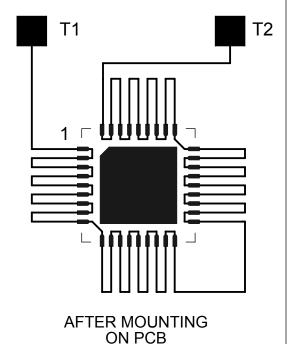
- 1. DAISY CHAIN WIRE BONDED TO INTERNAL PADS.
- 2. SEE NET LIST FOR CONNNECTIONS BETWEEN PINS.
- 3. DRAWING NOT TO SCALE.

<u>TopLine</u> ®				
32L QFN - DAISY CHAIN PIN CONNECTIONS				
SCALE SIZE DRAWING NO. REV				
A 123217 A				
DO NOT SCALE DRAWING SHEET 8 OF 20				

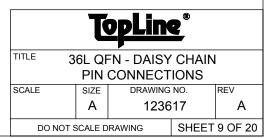


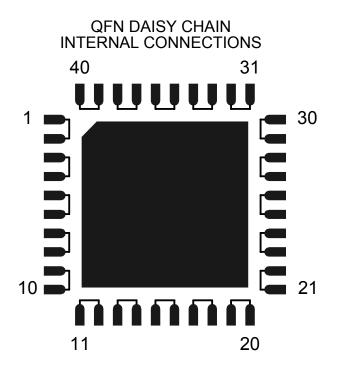
DAISY CHAIN		
NET	LIST	
PINS	PINS	
1 ~ 2	3 ~ 4	
5 ~ 6	7 ~ 8	
9 ~ 10	11 ~ 12	
13 ~ 14	15 ~ 16	
17 ~ 18	19 ~ 20	
21 ~ 22	23 ~ 24	
25 ~ 26	27 ~ 28	
29 ~ 30	31 ~ 32	
33 ~ 34	35 ~ 36	



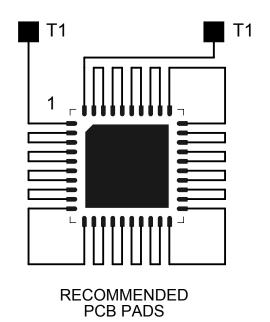


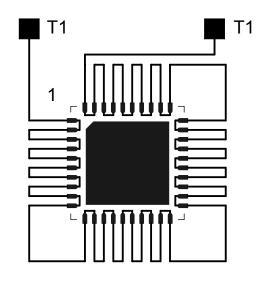
- 1. DAISY CHAIN WIRE BONDED TO INTERNAL PADS.
- 2. SEE NET LIST FOR CONNNECTIONS BETWEEN PINS.
- 3. DRAWING NOT TO SCALE.





DAISY CHAIN		
NET	LIST	
PINS	PINS	
1 ~ 2	3 ~ 4	
5 ~ 6	7 ~ 8	
9 ~ 10	11 ~ 12	
13 ~ 14	15 ~ 16	
17 ~ 18	19 ~ 20	
21 ~ 22	23 ~ 24	
25 ~ 26	27 ~ 28	
29 ~ 30	31 ~ 32	
33 ~ 34	35 ~ 36	
37 ~ 38	39 ~ 40	

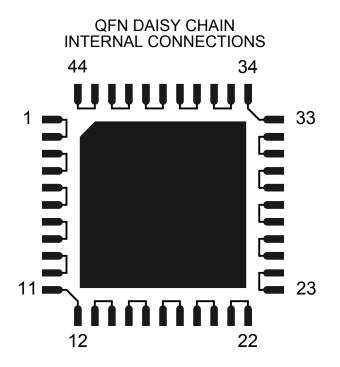




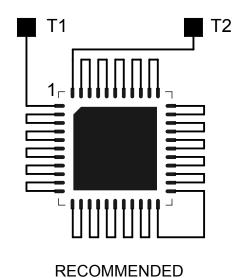
AFTER MOUNTING ON PCB

- 1. DAISY CHAIN WIRE BONDED TO INTERNAL PADS.
- 2. SEE NET LIST FOR CONNNECTIONS BETWEEN PINS.
- 3. DRAWING NOT TO SCALE.

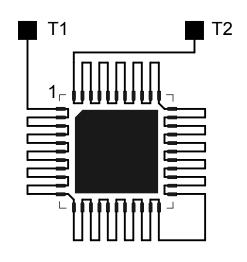
<u>TopLine</u> ®				
TITLE 40L QFN - DAISY CHAIN				
PIN CONNECTIONS				
SCALE	SCALE SIZE DRAWING NO. REV			
A 124017 A				Α
DO NOT SCALE DRAWING SHEET 10 OF 20				



DAISY CHAIN		
NET	LIST	
PINS	PINS	
1 ~ 2	3 ~ 4	
5 ~ 6	7 ~ 8	
9 ~ 10	11 ~ 12	
13 ~ 14	15 ~ 16	
17 ~ 18	19 ~ 20	
21 ~ 22	23 ~ 24	
25 ~ 26	27 ~ 28	
29 ~ 30	31 ~ 32	
33 ~ 34	35 ~ 36	
37 ~ 38	39 ~ 40	
41 ~ 42	43 ~ 44	



**PCB PADS** 

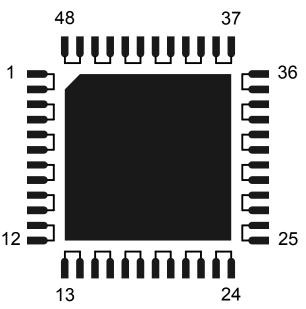


AFTER MOUNTING ON PCB

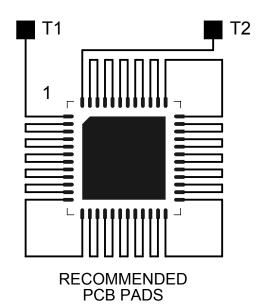
- 1. DAISY CHAIN WIRE BONDED TO INTERNAL PADS.
- 2. SEE NET LIST FOR CONNNECTIONS BETWEEN PINS.
- 3. DRAWING NOT TO SCALE.

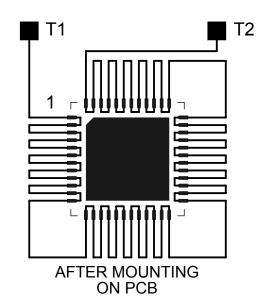
<u>TopLine</u> °			
TITLE 44L QFN - DAISY CHAIN PIN CONNECTIONS			
SCALE SIZE DRAWING NO. REV			
A 124417 A			
DO NOT SCALE DRAWING SHEET 11 OF 20			





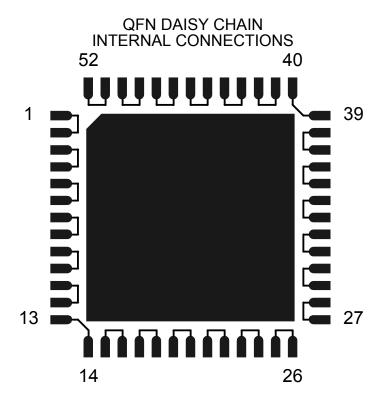
DAISY CHAIN					
NET	NET LIST				
PINS	PINS				
1 ~ 2	3 ~ 4				
5 ~ 6	7 ~ 8				
9 ~ 10	11 ~ 12				
13 ~ 14	15 ~ 16				
17 ~ 18	19 ~ 20				
21 ~ 22	23 ~ 24				
25 ~ 26	27 ~ 28				
29 ~ 30	31 ~ 32				
33 ~ 34	35 ~ 36				
37 ~ 38	39 ~ 40				
41 ~ 42	43 ~ 44				
45 ~ 46	47 ~ 48				



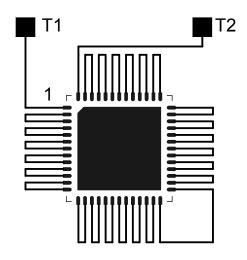


- 1. DAISY CHAIN WIRE BONDED TO INTERNAL PADS.
- 2. SEE NET LIST FOR CONNNECTIONS BETWEEN PINS.
- 3. DRAWING NOT TO SCALE.

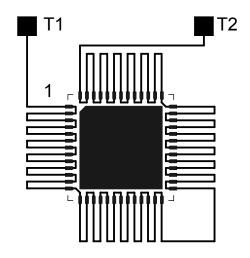
<u>TopLine</u> °			
48L QFN - DAISY CHAIN			
PIN CONNECTIONS			
SCALE SIZE DRAWING NO. REV			
A 124817 A			
DO NOT SCALE DRAWING SHEET 12 OF 20			



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



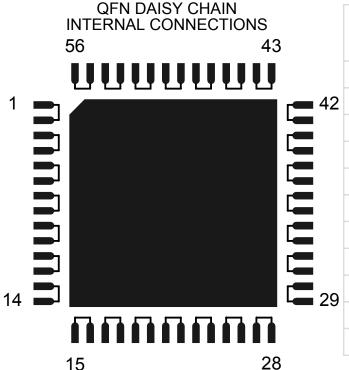
RECOMMENDED PCB PADS



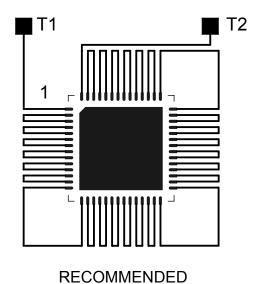
AFTER MOUNTING ON PCB

- 1. DAISY CHAIN WIRE BONDED TO INTERNAL PADS.
- 2. SEE NET LIST FOR CONNNECTIONS BETWEEN PINS.
- 3. DRAWING NOT TO SCALE.

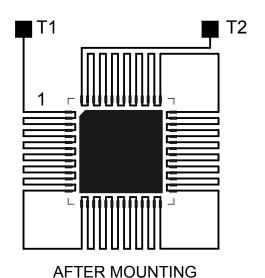
<u>TopLine</u> °			
TITLE 52L QFN - DAISY CHAIN PIN CONNECTIONS			
SCALE SIZE DRAWING NO. REV			
A 125217 A			
DO NOT SCALE DRAWING SHEET 13 OF 20			



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

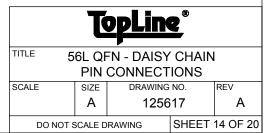


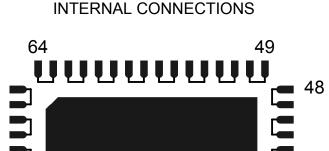
**PCB PADS** 



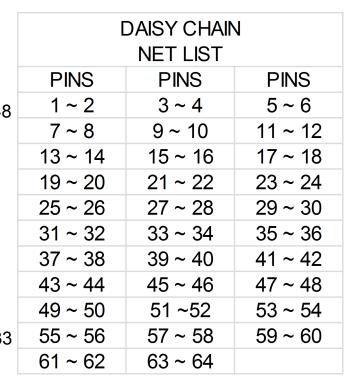
**ON PCB** 

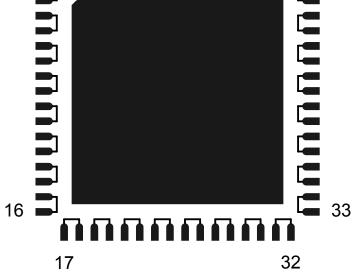
- 1. DAISY CHAIN WIRE BONDED TO INTERNAL PADS.
- 2. SEE NET LIST FOR CONNNECTIONS BETWEEN PINS.
- 3. DRAWING NOT TO SCALE.

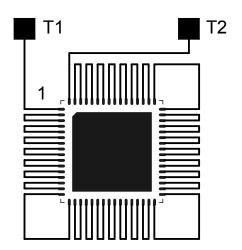




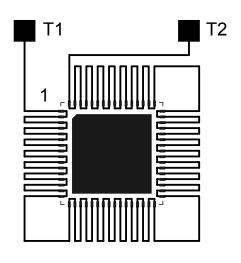
**QFN DAISY CHAIN** 







RECOMMENDED PCB PADS



AFTER MOUNTING ON PCB

#### NOTES:

- 1. DAISY CHAIN WIRE BONDED TO INTERNAL PADS.
- 2. SEE NET LIST FOR CONNNECTIONS BETWEEN PINS.
- DRAWING NOT TO SCALE.

# <u>TopLine</u>\*

64L QFN - DAISY CHAIN
PIN CONNECTIONS

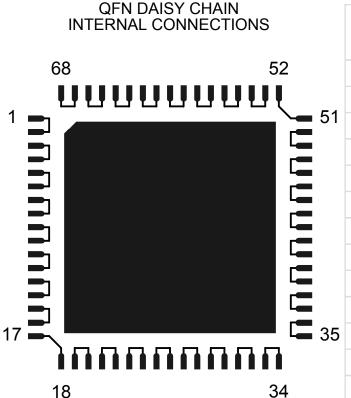
SCALE SIZE DRAWING NO. REV

SCALE SIZE DRAWING NO.

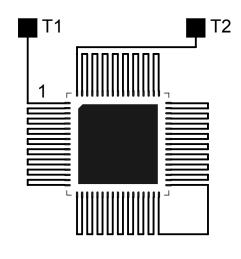
A 126417

DO NOT SCALE DRAWING SHEET 15 OF 20

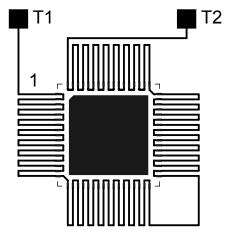
Α



DAISY CHAIN NET LIST			
PINS	PINS	PINS	
1 ~ 2	3 ~ 4	5 ~ 6	
7 ~ 8	9 ~ 10	11 ~ 12	
13 ~ 14	15 ~ 16	17 ~ 18	
19 ~ 20	21 ~ 22	23 ~ 24	
25 ~ 26	27 ~ 28	29 ~ 30	
31 ~ 32	33 ~ 34	35 ~ 36	
37 ~ 38	39 ~ 40	41 ~ 42	
43 ~ 44	45 ~ 46	47 ~ 48	
49 ~ 50	51 ~52	53 ~ 54	
55 ~ 56	57 ~ 58	59 ~ 60	
61 ~ 62	63 ~ 64	65 ~ 66	
67 ~ 68			



RECOMMENDED PCB PADS



AFTER MOUNTING ON PCB

#### NOTES:

- 1. DAISY CHAIN WIRE BONDED TO INTERNAL PADS.
- 2. SEE NET LIST FOR CONNNECTIONS BETWEEN PINS.
- 3. DRAWING NOT TO SCALE.

# **TopLine**\*

68L QFN - DAISY CHAIN PIN CONNECTIONS

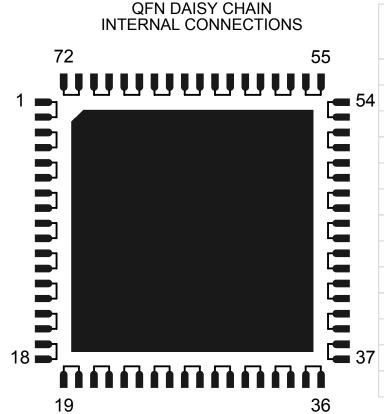
PIN CONNECTIONS

SCALE SIZE DRAWING NO.

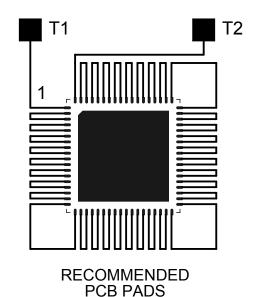
DO NOT SCALE DRAWING SHEET 16 OF 20

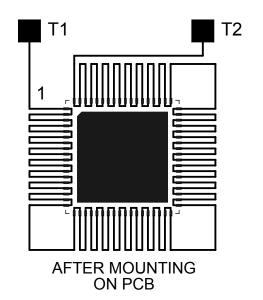
126817

REV A



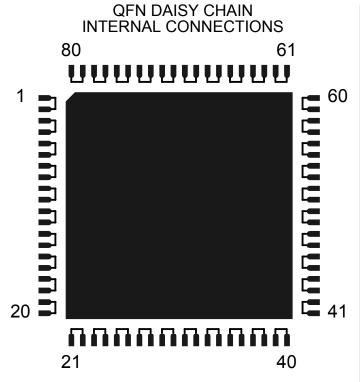
DAISY CHAIN NET LIST		
PINS	PINS	PINS
1 ~ 2	3 ~ 4	5 ~ 6
7 ~ 8	9 ~ 10	11 ~ 12
13 ~ 14	15 ~ 16	17 ~ 18
19 ~ 20	21 ~ 22	23 ~ 24
25 ~ 26	27 ~ 28	29 ~ 30
31 ~ 32	33 ~ 34	35 ~ 36
37 ~ 38	39 ~ 40	41 ~ 42
43 ~ 44	45 ~ 46	47 ~ 48
49 ~ 50	51 ~52	53 ~ 54
55 ~ 56	57 ~ 58	59 ~ 60
61 ~ 62	63 ~ 64	65 ~ 66
67 ~ 68	69 ~ 70	71 ~ 72



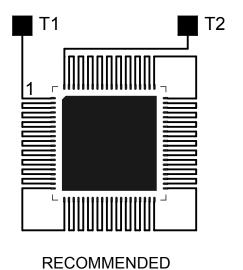


- 1. DAISY CHAIN WIRE BONDED TO INTERNAL PADS.
- 2. SEE NET LIST FOR CONNNECTIONS BETWEEN PINS.
- 3. DRAWING NOT TO SCALE.

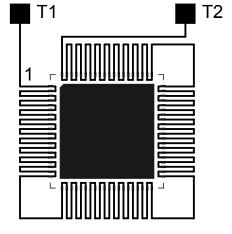
<u>TopLine</u> °				
72L QFN - DAISY CHAIN				
PIN CONNECTIONS				
SCALE	SIZE	DRAWING	NO.	REV
	Α	1272	17	Α
DO NOT SCALE DRAWING		SHEET	17 OF 20	



DAISY CHAIN NET LIST		
PINS	PINS	PINS
1 ~ 2	3 ~ 4	5 ~ 6
7 ~ 8	9 ~ 10	11 ~ 12
13 ~ 14	15 ~ 16	17 ~ 18
19 ~ 20	21 ~ 22	23 ~ 24
25 ~ 26	27 ~ 28	29 ~ 30
31 ~ 32	33 ~ 34	35 ~ 36
37 ~ 38	39 ~ 40	41 ~ 42
43 ~ 44	45 ~ 46	47 ~ 48
49 ~ 50	51 ~52	53 ~ 54
55 ~ 56	57 ~ 58	59 ~ 60
61 ~ 62	63 ~ 64	65 ~ 66
67 ~ 68	69 ~ 70	71 ~ 72
73 ~ 74	75 ~ 76	77 ~ 78
79 ~ 80		



**PCB PADS** 



AFTER MOUNTING ON PCB

#### NOTES:

- 1. DAISY CHAIN WIRE BONDED TO INTERNAL PADS.
- 2. SEE NET LIST FOR CONNNECTIONS BETWEEN PINS.
- 3. DRAWING NOT TO SCALE.

TITLE	80L QI	80L QFN - DAISY CHAIN		
	PIN	CONNECTIONS		
SCALE	SIZE	DRAWING NO.	REV	

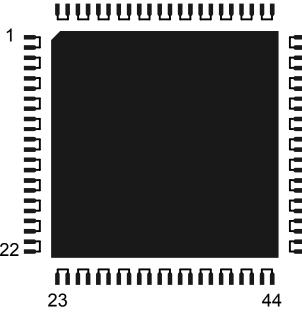
SCALE SIZE DRAWING NO. 128017

**SHEET 18 OF 20** DO NOT SCALE DRAWING

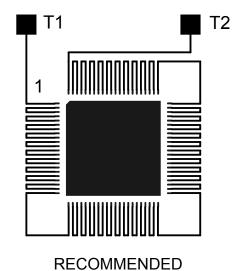
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QFN DAISY CHAIN INTERNAL CONNECTIONS

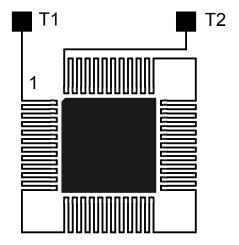
88 67



DAISY CHAIN			
NET LIST			
PINS	PINS	PINS	
1 ~ 2	3 ~ 4	5 ~ 6	
7 ~ 8	9 ~ 10	11 ~ 12	
13 ~ 14	15 ~ 16	17 ~ 18	
19 ~ 20	21 ~ 22	23 ~ 24	
25 ~ 26	27 ~ 28	29 ~ 30	
31 ~ 32	33 ~ 34	35 ~ 36	
37 ~ 38	39 ~ 40	41 ~ 42	
43 ~ 44	45 ~ 46	47 ~ 48	
49 ~ 50	51 ~52	53 ~ 54	
55 ~ 56	57 ~ 58	59 ~ 60	
61 ~ 62	63 ~ 64	65 ~ 66	
67 ~ 68	69 ~ 70	71 ~ 72	
73 ~ 74	75 ~ 76	77 ~ 78	
79 ~ 80	81 ~ 82	83 ~ 84	
85 ~ 86	87 ~ 88		



**PCB PADS** 



AFTER MOUNTING ON PCB

#### NOTES:

- 1. DAISY CHAIN WIRE BONDED TO INTERNAL PADS.
- 2. SEE NET LIST FOR CONNNECTIONS BETWEEN PINS.
- 3. DRAWING NOT TO SCALE.

# <u>TopLine</u><sup>®</sup>

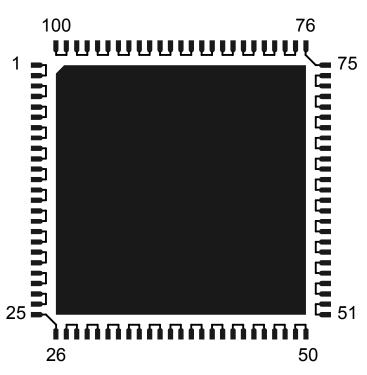
88L QFN - DAISY CHAIN
PIN CONNECTIONS

SCALE SIZE DRAWING NO.
A 128817

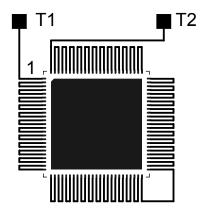
DO NOT SCALE DRAWING SHEET 18 OF 20

REV A

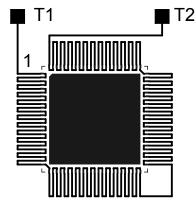




DAISY CHAIN NET LIST			
PINS	PINS	PINS	
1 ~ 2	3 ~ 4	5 ~ 6	
7 ~ 8	9 ~ 10	11 ~ 12	
13 ~ 14	15 ~ 16	17 ~ 18	
19 ~ 20	21 ~ 22	23 ~ 24	
25 ~ 26	27 ~ 28	29 ~ 30	
31 ~ 32	33 ~ 34	35 ~ 36	
37 ~ 38	39 ~ 40	41 ~ 42	
43 ~ 44	45 ~ 46	47 ~ 48	
49 ~ 50	51 ~52	53 ~ 54	
55 ~ 56	57 ~ 58	59 ~ 60	
61 ~ 62	63 ~ 64	65 ~ 66	
67 ~ 68	69 ~ 70	71 ~ 72	
73 ~ 74	75 ~ 76	77 ~ 78	
79 ~ 80	81 ~ 82	83 ~ 84	
85 ~ 86	87 ~ 88	89 ~ 90	
91 ~ 92	93 ~ 94	95 ~ 96	
97 ~ 98	99 ~ 100		



RECOMMENDED PCB PADS



AFTER MOUNTING ON PCB

#### NOTES:

- 1. DAISY CHAIN WIRE BONDED TO INTERNAL PADS.
- 2. SEE NET LIST FOR CONNNECTIONS BETWEEN PINS.
- 3. DRAWING NOT TO SCALE.

# Topline

TITLE 100L QFN - DAISY CHAIN PIN CONNECTIONS

SCALE SIZE DRAWING NO. REV

SCALE SIZE DRAWING NO.
A 129917

DO NOT SCALE DRAWING SHEET 19 OF 20

Α