

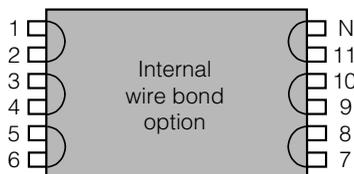


TSOP - TYPE 1 THIN SMALL OUTLINE PACKAGE



DUMMY COMPONENT ORDERING INFORMATION

LEAD		CASE SIZE INCLUDES LEADS	TAPE INFO		Tray Part Number		13" (330mm) Tape & Reel Part Number	
NBR	PITCH		WIDTH	PITCH	X01	QTY	X01	QTY
28	0.55mm	8 x 13.4mm	24mm	12mm	TSOP28ST21.6-T1	234	TSOP28SE13A21.6-T1	1000
28/32	0.5mm	8 x 20mm	32mm	12/16mm	TSOP28/32T19.7-T1	156	TSOP28/32E13A19.7-T1	1000
32	0.5mm	8 x 20mm	32mm	12/16mm	TSOP32T19.7-T1	156	TSOP32E13A19.7-T1	1000
32	0.5mm	8 x 14mm	24mm	12mm	TSOP32ST19.7-T1	208	TSOP32SE13A19.7-T1	1000
40	0.5mm	10 x 14mm	24mm	16mm	TSOP40ST19.7-T1	160	TSOP40SE13A19.7-T1	1000
40	0.5mm	10 x 20mm	32mm	16mm	TSOP40T19.7-T1	120	TSOP40E13A19.7-T1	1000
48	0.5mm	12 x 20mm	32mm	16mm	TSOP48T19.7-T1	96	TSOP48E13A19.7-T1	1000



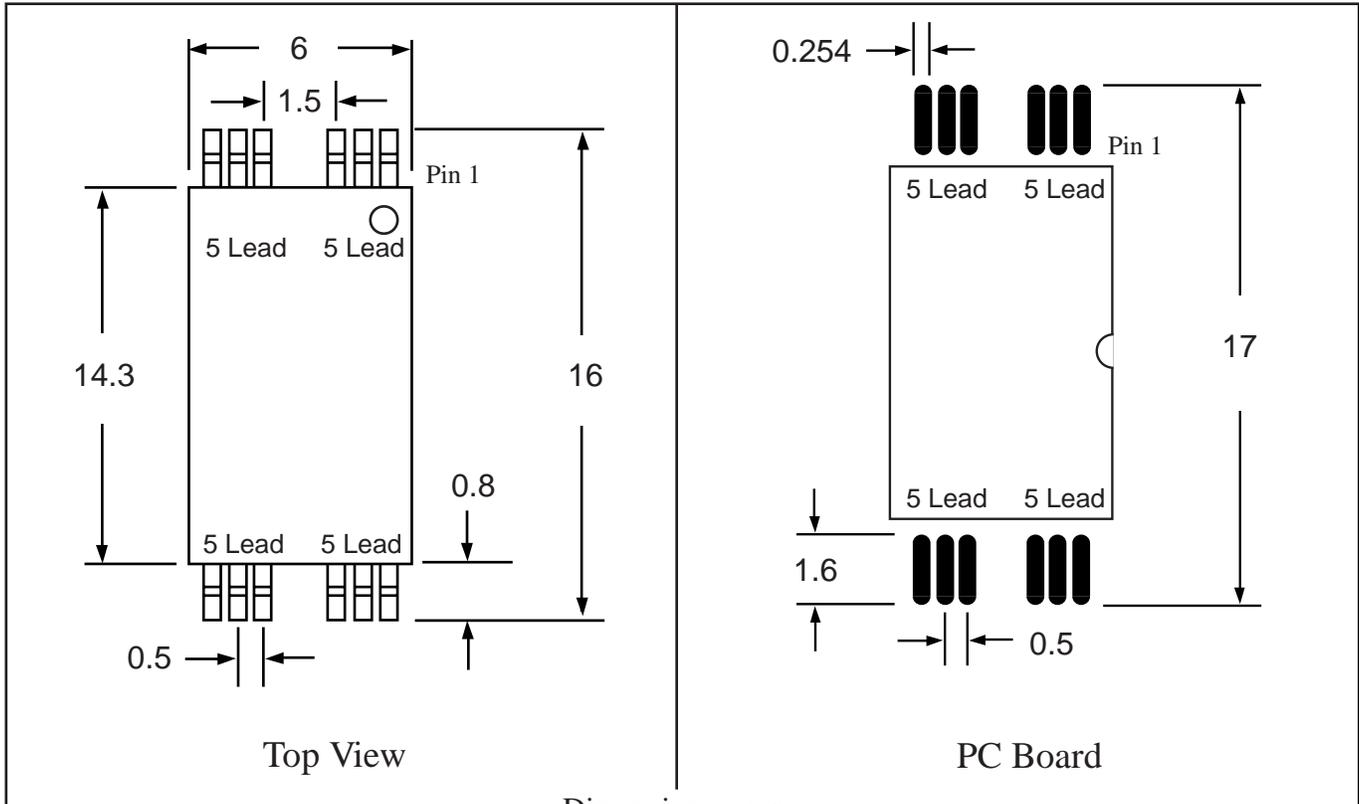
Daisy Chain
available on special order
Add -DE to end of part number

O T Z - TopLine offers TSOP-Type 1 packages in lead counts from 20 to 48. Package thickness is 1.0mm with maximum seated height of 1.2mm. Type 1 indicates leads extending from narrow end of body. Tape pitch and tape width may vary. Tray quantities may vary. For Daisy Chain available on special order, add -DE to end of part number. For completely isolated (no internal connections) add -ISO to end of part number. TSOP contain internal die. Solder plated leads Sn85/Pb15.

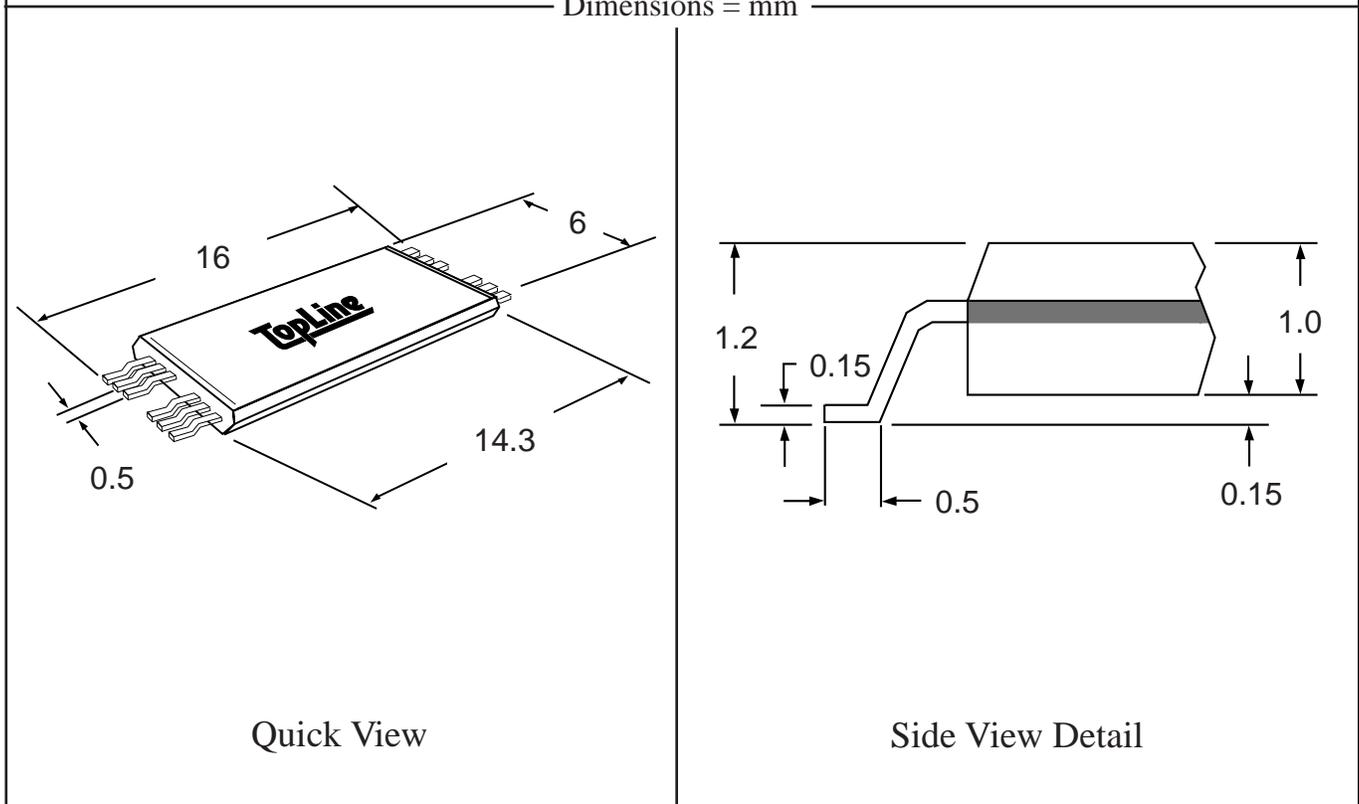
Part # **TSOP20/24T19.7-T1**
 Leads **20/24** Pitch **0.5mm**
 Body Size **6mm x 16mm**



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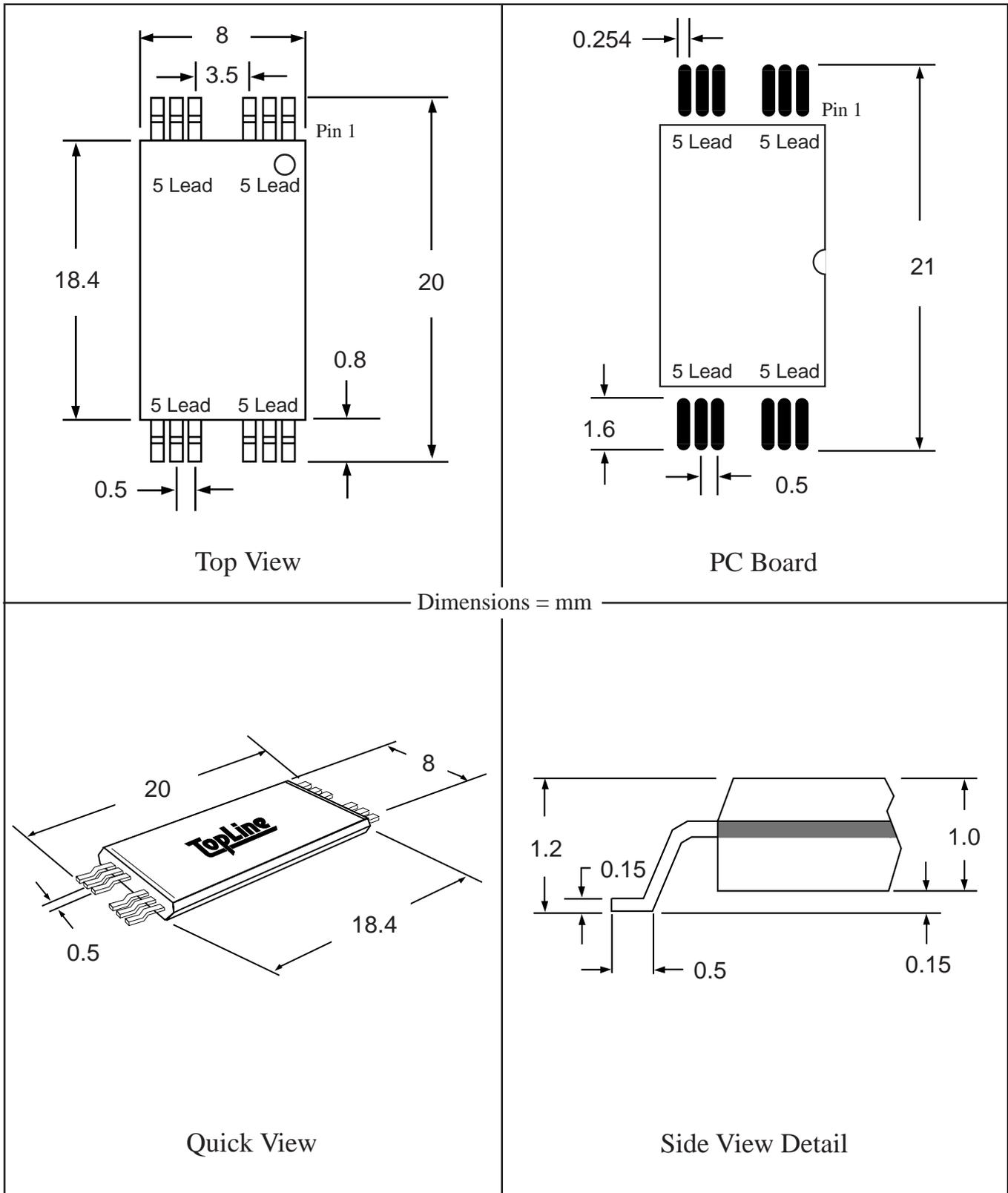
Dimensions = mm



Part # **TSOP20/32T19.7-T1**
 Leads **20/32** Pitch **0.5mm**
 Body Size **8 x 20mm**



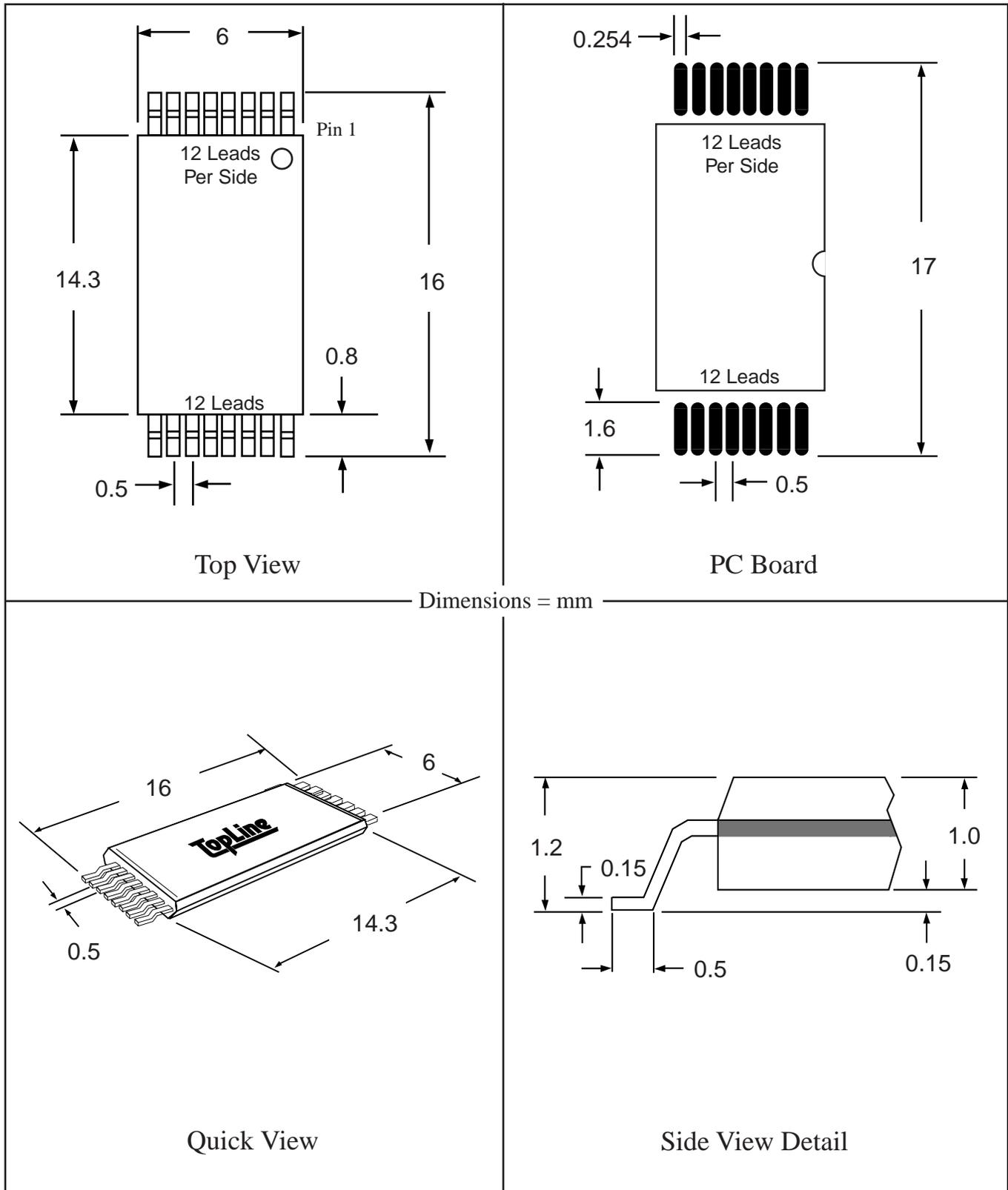
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Part # **TSOP24T19.7-T1**
 Leads **24** Pitch **0.5mm**
 Body Size **6 x 16mm**

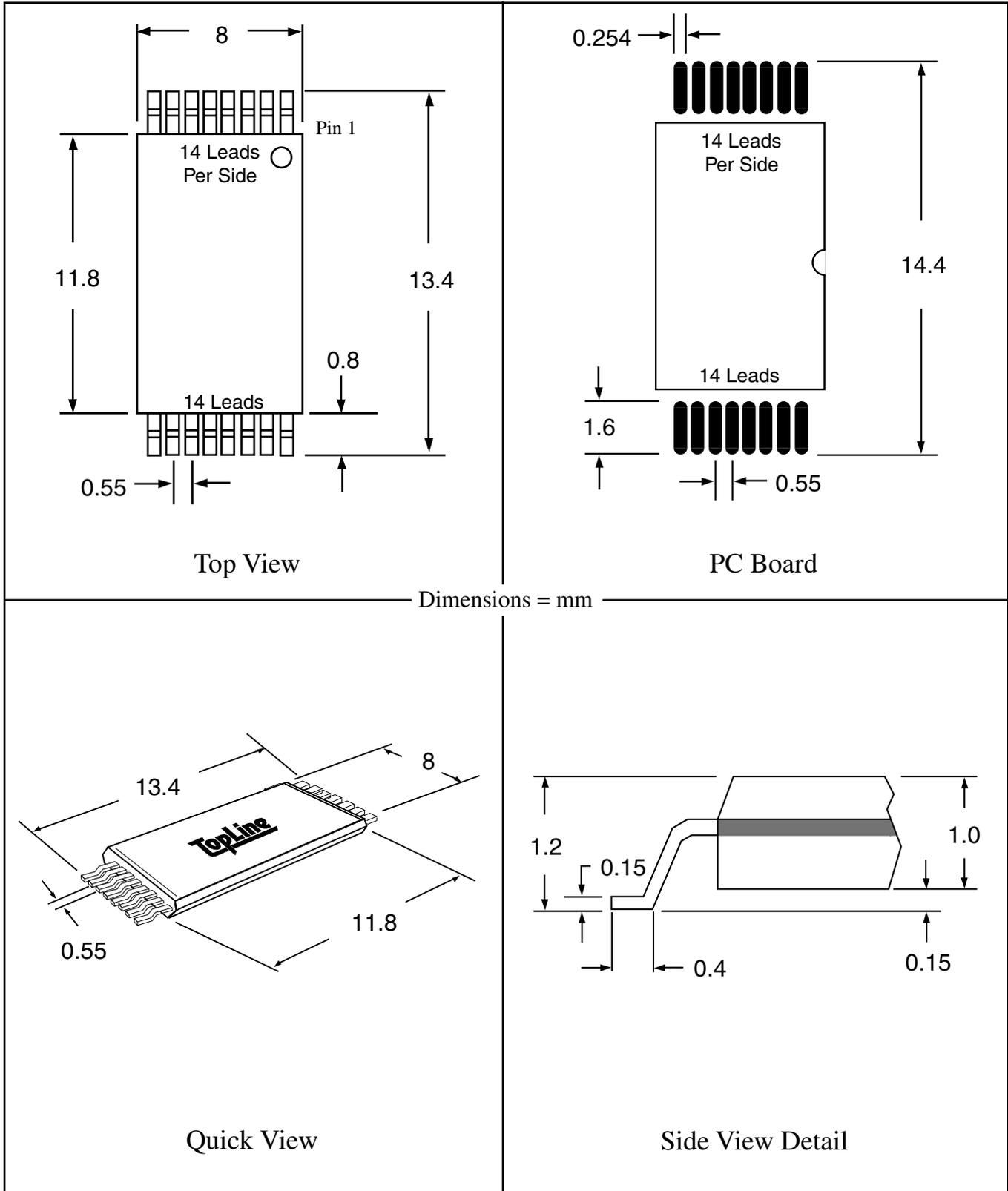


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Part # **TSOP28ST21.6-T1**
 Leads **28** Pitch **0.55mm**
 Body Size **8 x 13.4mm**

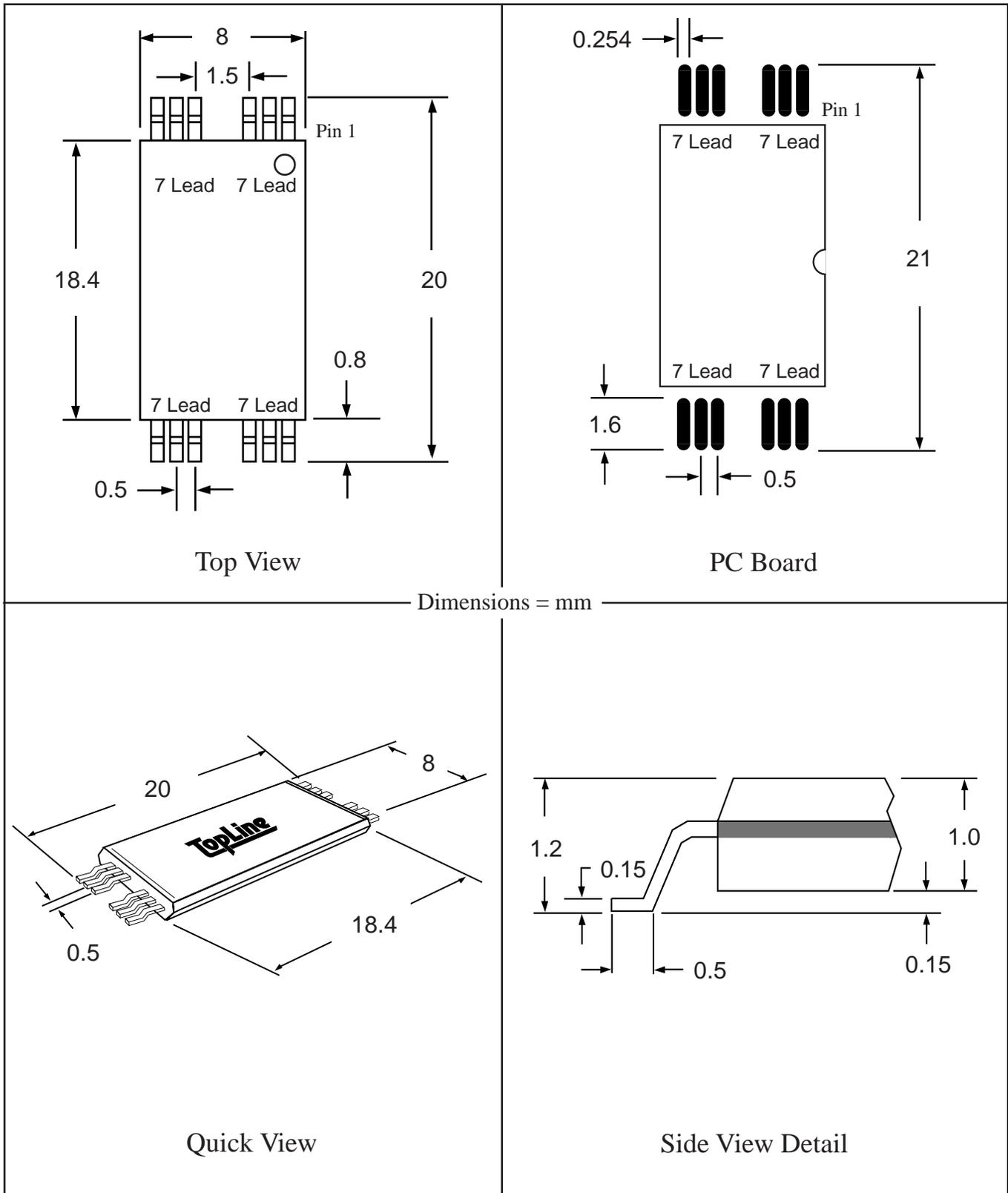
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Part # **TSOP28/32T19.7-T1**
 Leads **28/32** Pitch **0.5mm**
 Body Size **8mm x 20mm**



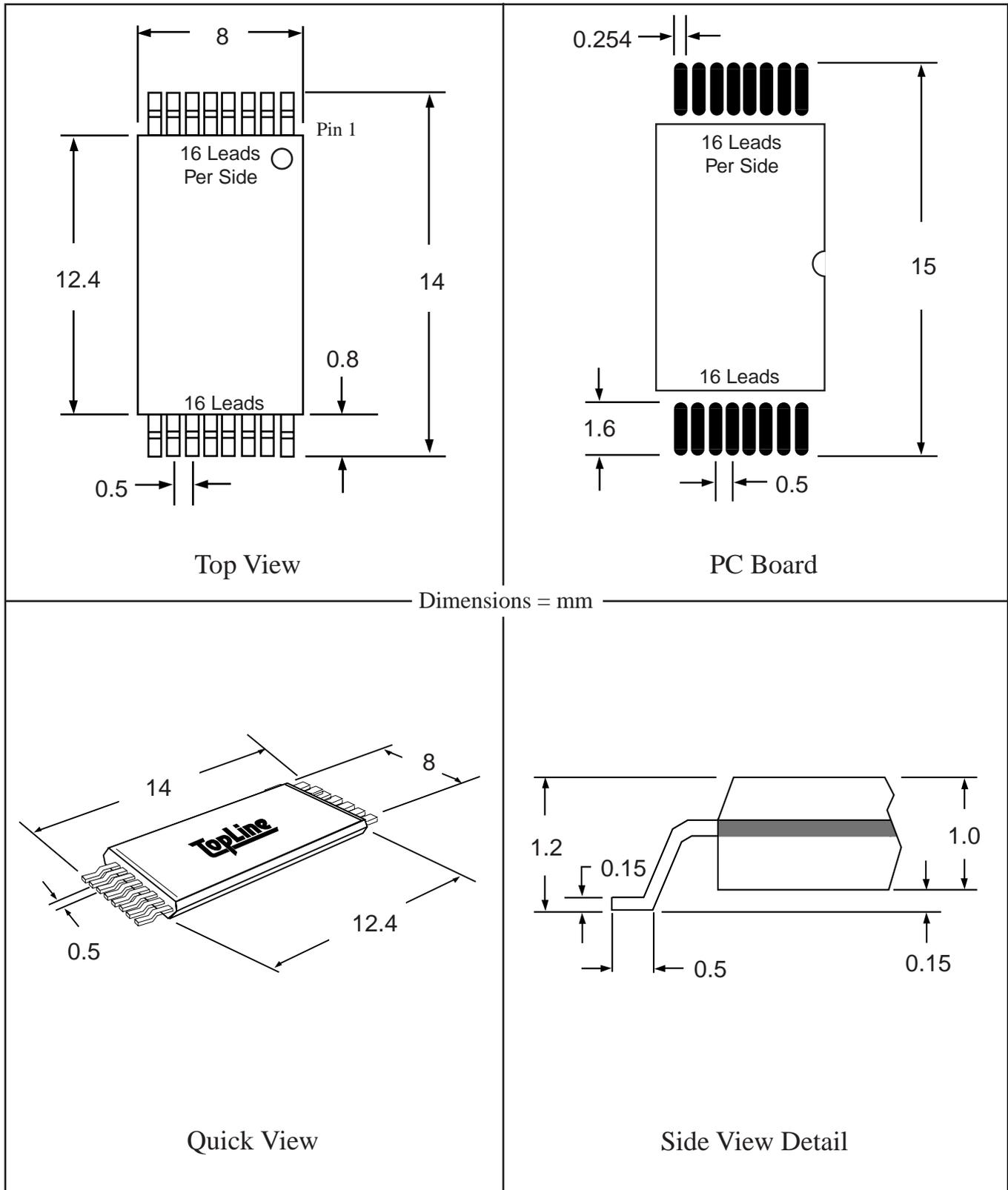
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Part # **TSOP32ST19.7-T1**
 Leads **32** Pitch **0.5mm**
 Body Size **8 x 14mm**



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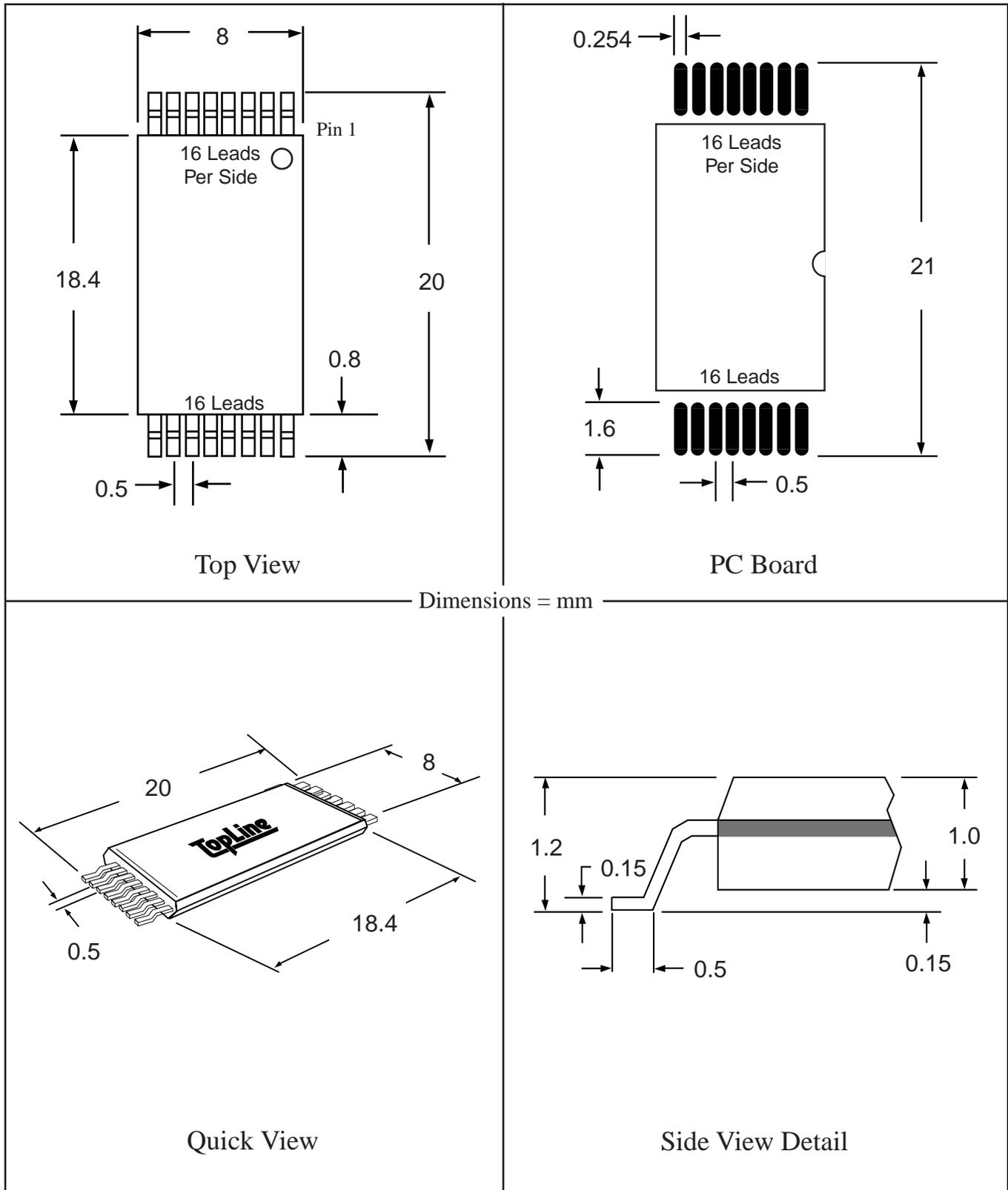


Dimensions = mm

Part # **TSOP32T19.7-T1**
 Leads **32** Pitch **0.5mm**
 Body Size **8 x 20mm**

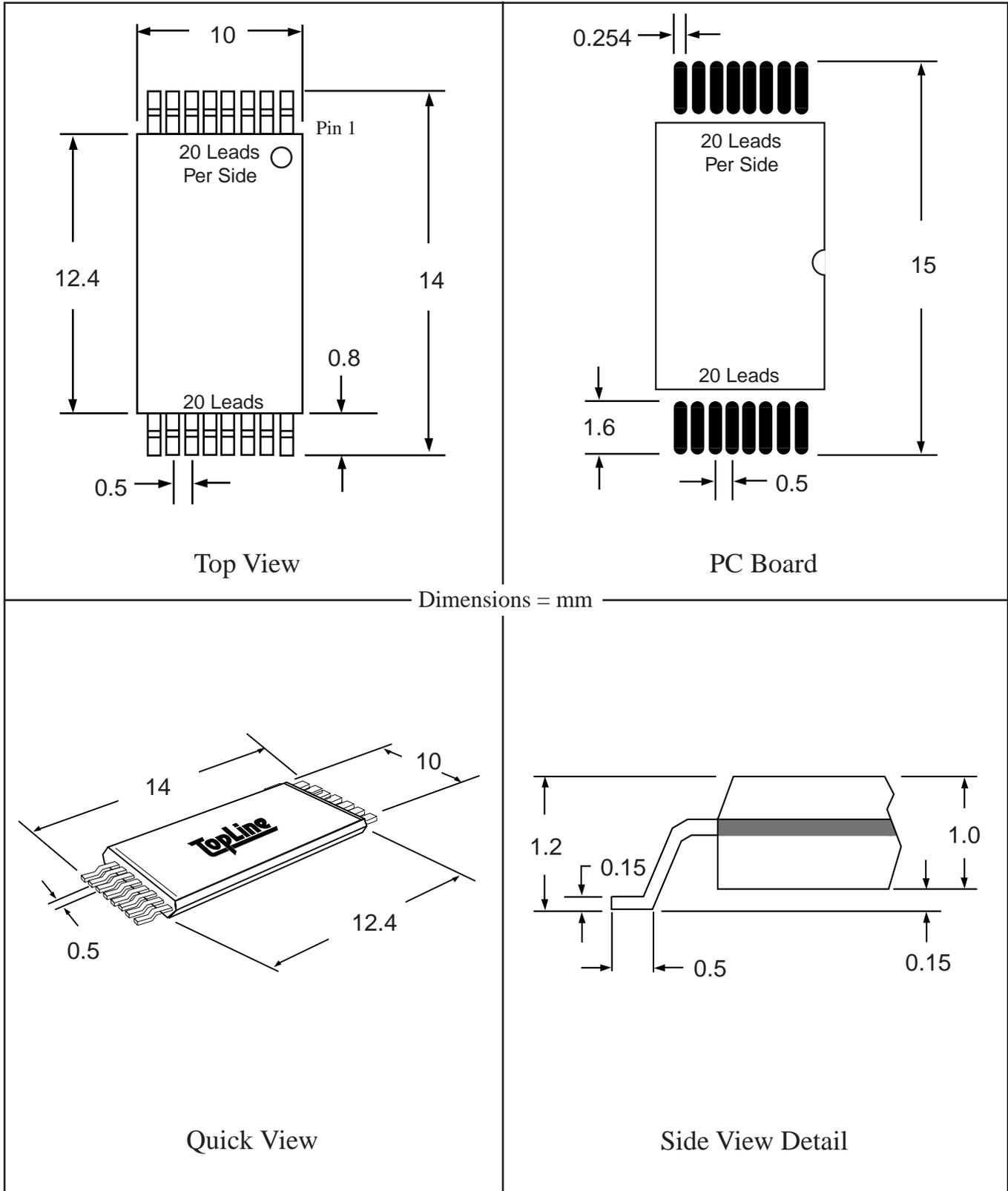


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Part # **TSOP40ST19.7-T1**
 Leads **40** Pitch **0.5mm**
 Body Size **10 x 14mm**

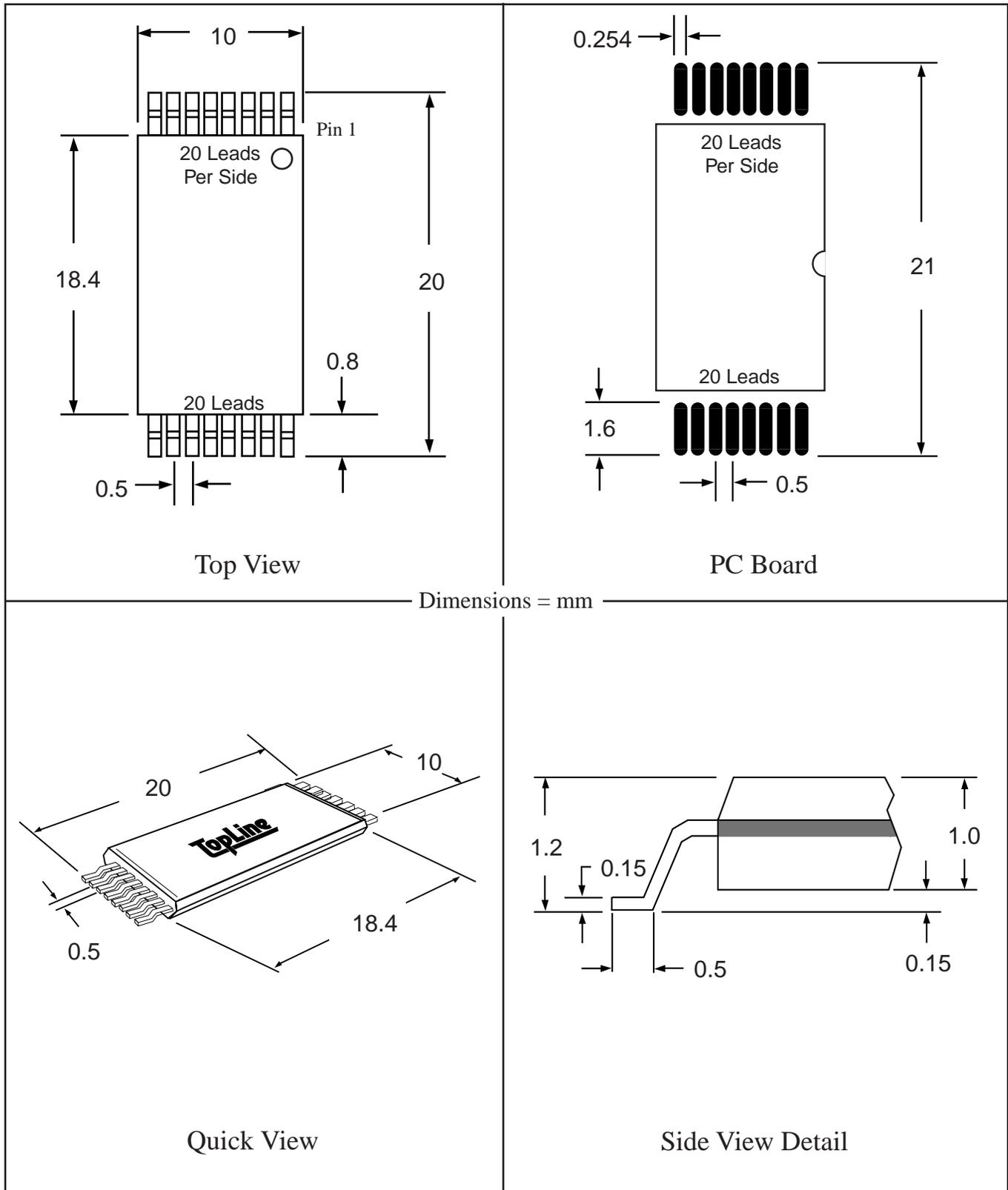
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Part # **TSOP40T19.7-T1**
 Leads **40** Pitch **0.5mm**
 Body Size **10 x 20mm**



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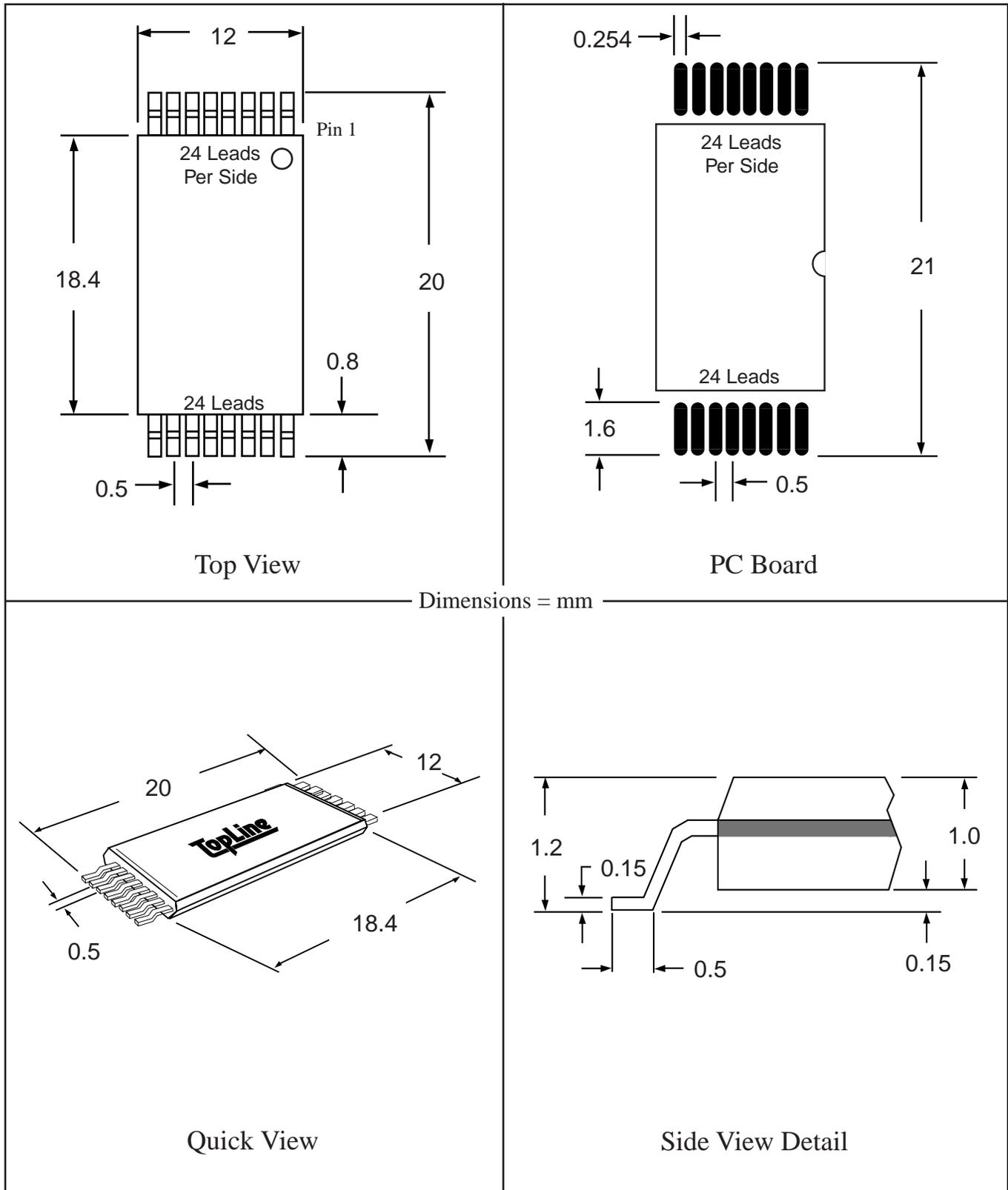


Dimensions = mm

Part # **TSOP48T19.7-T1**
 Leads **48** Pitch **0.5mm**
 Body Size **12 x 20mm**



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Dimensions = mm

Part # **TSOP56T19.7-T1**
 Leads **56** Pitch **0.5mm**
 Body Size **14 x 20mm**

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