

## 2.5G Base-T DIP Transformer

Part Number: 96101DS

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- Compliant with IEEE 802.3 standard.
- RoHS compliant.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range:-20°C to +125°C

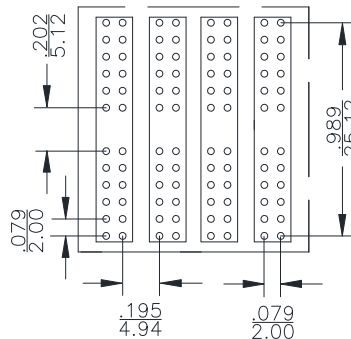
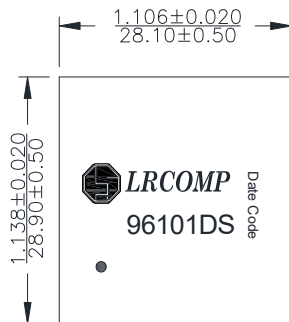
### Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)		OCL(uH Min) @100KHz/0.1V with 8.0mA DC	Insertion Loss (dB Max) 1-125MHz	DCMR (dB Min) 1-125MHz	HI-POT (Vrms)
	TX	RX				
96101DS	1CT:1CT	1CT:1CT	350	-1.0	-30	1500

### Continue

Part Number	Return Loss (dB Min)		Cross Talk (dB Min)		
	1-40MHz	40-125MHz	30MHz	60MHz	125MHz
96101DS	-18	-18+12*Ig(f/40)	-37	-33	-30

### Schematics:

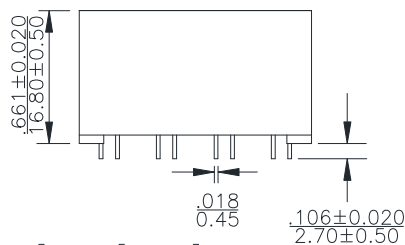
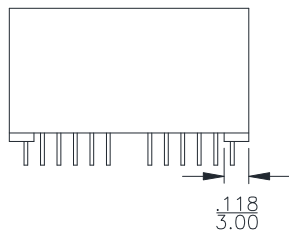


Suggested PCB Layout

### PIN Describing

91◦ 85 79◦ 73 67◦ 61 55◦ 49  
 92◦ 86 80◦ 74 68◦ 62 56◦ 50  
 93◦ 87 81◦ 75 69◦ 63 57◦ 51  
 94◦ 88 82◦ 76 70◦ 64 58◦ 52  
 95◦ 89 83◦ 77 71◦ 65 59◦ 53  
 96◦ 90 84◦ 78 72◦ 66 60◦ 54

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



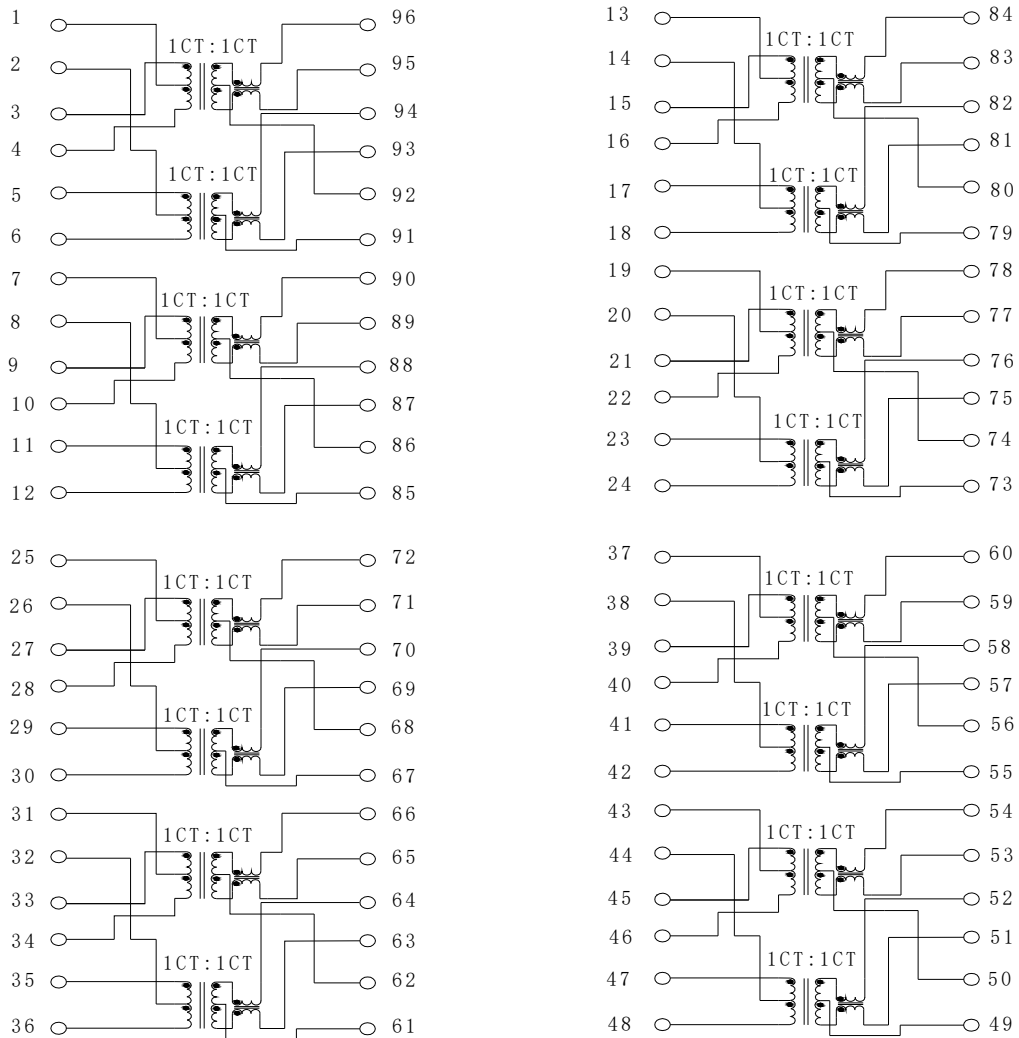
Dimension:mm[Inch]±0.25[0,010]

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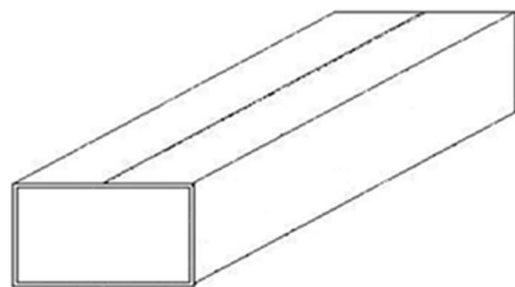
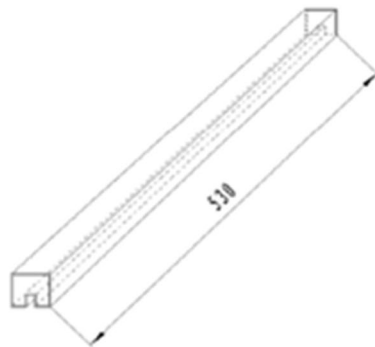
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### Schematics:



### Package:



Quantity per reel: 17 pcs

Quantity per big carton: 816 pcs