

# 10/100/1000 Base-T DIP Transformer

Part Number: 96291DG

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- Compliant with IEEE 802.3bt standard.
- RoHS compliant.
- Power over Ethernet(PoE) Magnetics,850mA current capability.
- Operating temperature range: -40°C to +85°C.
- Storage temperature range:-20°C to +125°C.

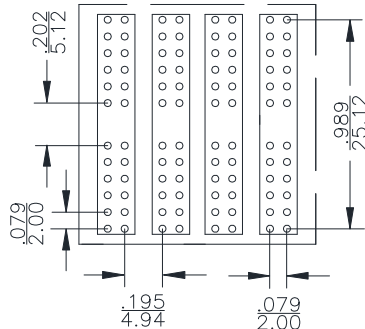
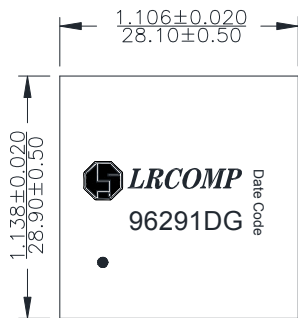
### Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)		OCL(uH Min) @100KHz/0.1V with 8.0mA DC	Insertion Loss (dB Max) 1-100MHz	DCMR (dB Min) 1-100MHz	HI-POT (Vrms)
	TX	RX				
96292DG	1CT:1CT	1CT:1CT	350	-1.1	-30	1500

### Continue

Part Number	Return Loss (dB Min)					Cross Talk (dB Min)		
	1-30MHz	40MHz	50MHz	60-80MHz	100MHz	30MHz	60MHz	100MHz
96292DG	-18	-14.4	-13.1	-12	-10	-40	-35	-30

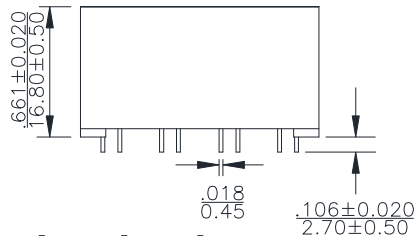
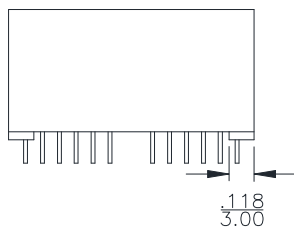
### Schematics:



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



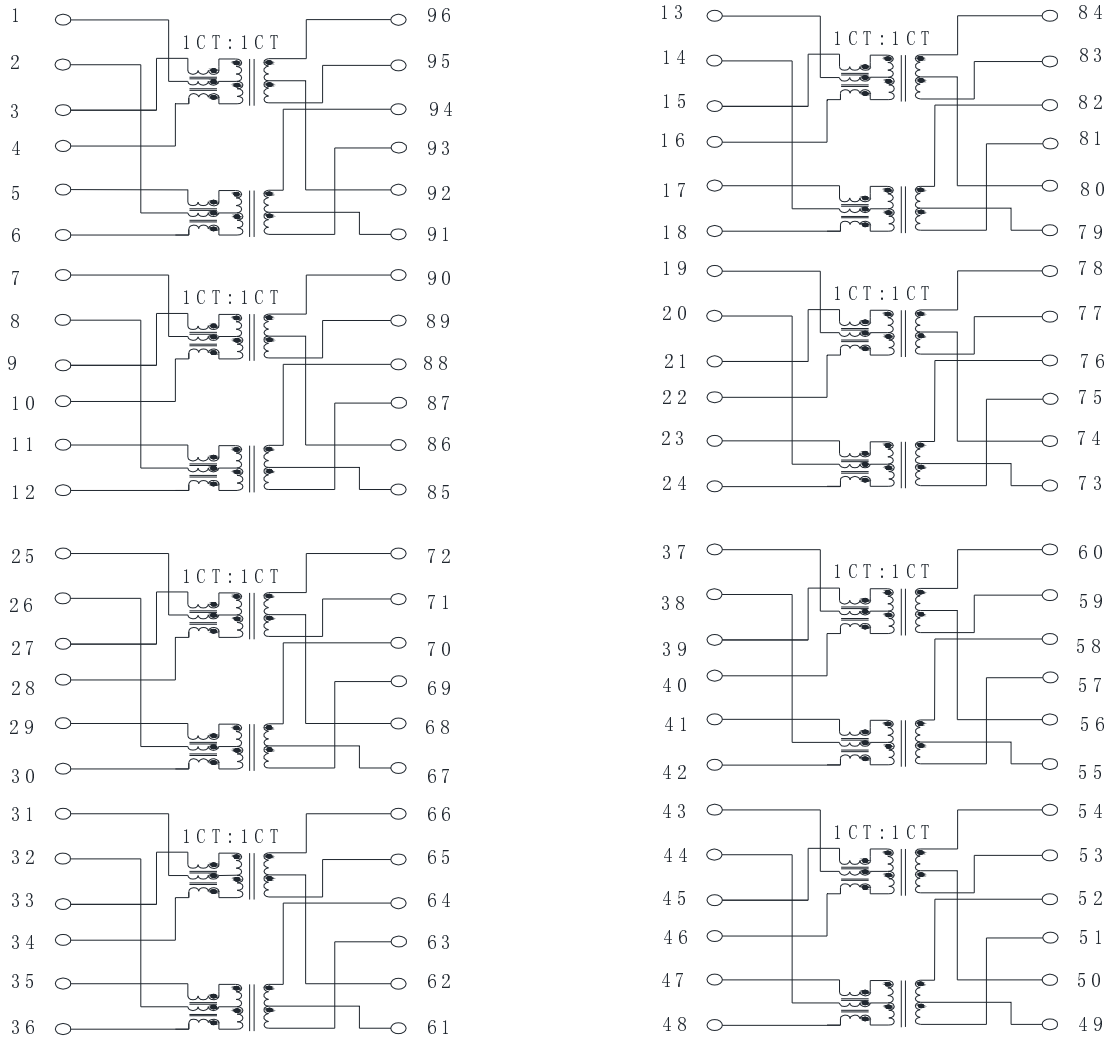
Dimension:mm[Inch]±0.25[0,010]

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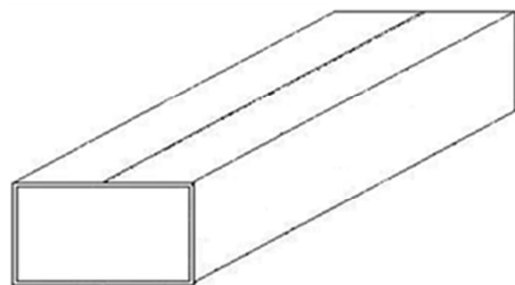
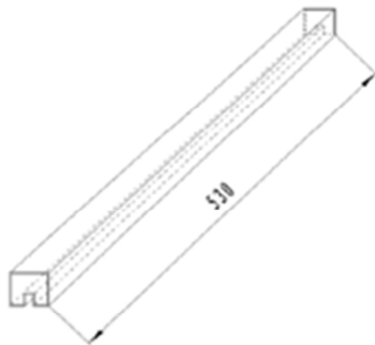
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**Schematics:**



**Package:**



Quantity per reel: 17 pcs

Quantity per big carton: 816 pcs