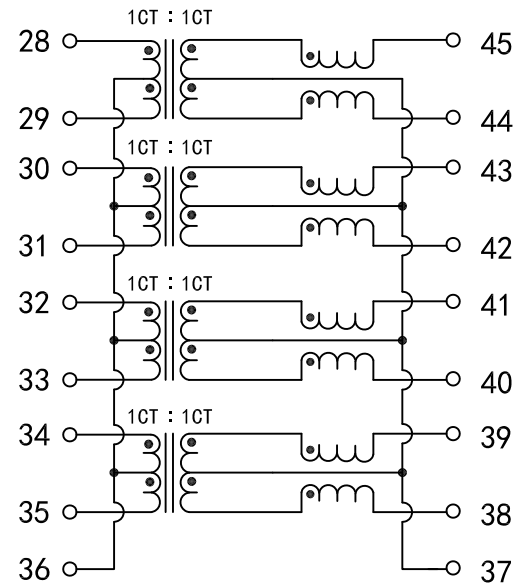
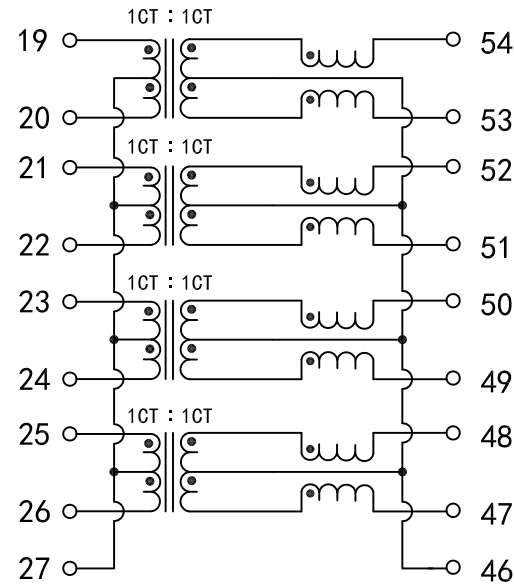
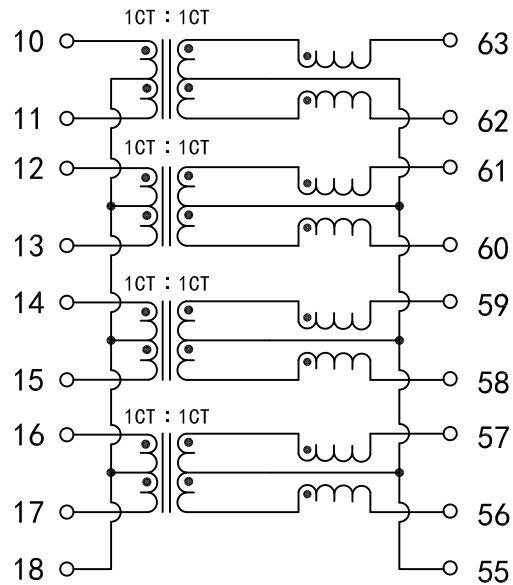
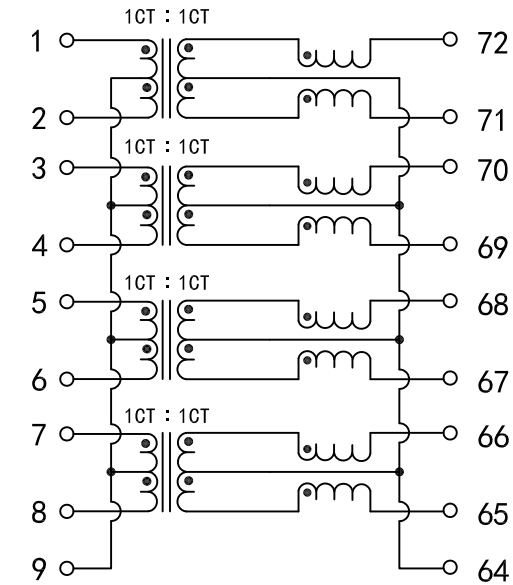


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010/07/27	



Electrical Specifications @25°C

1. Turns Ratio:

Pri:Sec = 1CT:1CT $\pm 5\%$

2. Pri Inductanc:

350uH Min @100KHz, 0.1V, 8mA.

3. Leakage Inductance:

0.5uH Max @1MHz, 0.1V.

4. DCR: 0.9 Ω Max.

5. Insertion Loss:

0.1-100MHz:-1.0dB Max

6. Return Loss(dB Min):

1-30MHz:-18 40-50MHz:-14.2

60-80MHz:-12

7. Crosstalk(dB Min):

30MHz:-40 60MHz:-35

100MHz:-30

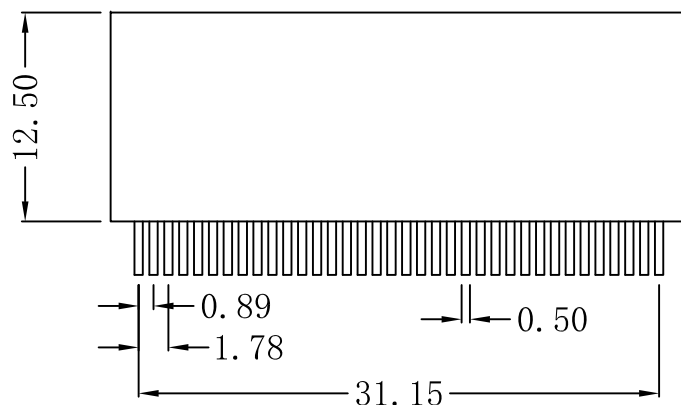
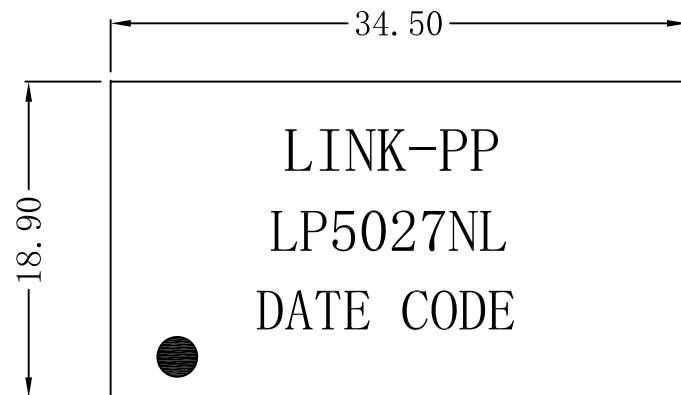
8. Hipot: 1500Vrms/0.5mA

9. Operating Temperature: 0°C~70°C.

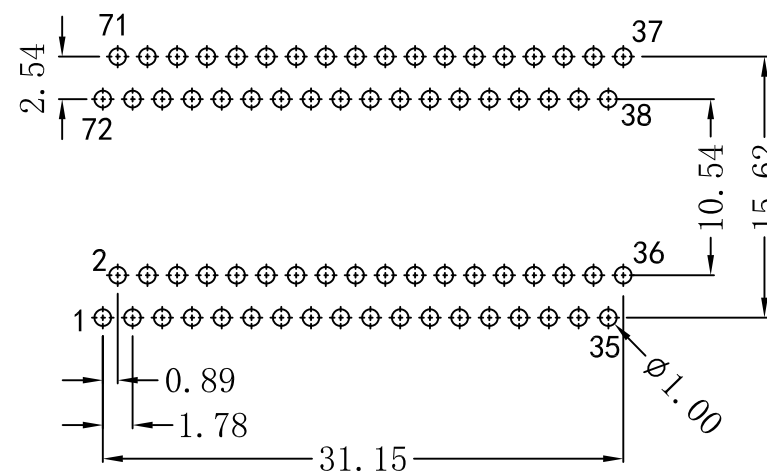
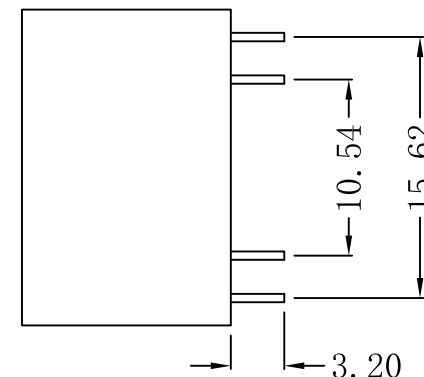


X:X	± 0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	± 0.25	CHKD:		
X:XXX	± 0.05	DR: TOM	TITLE: 10/100/1000Base-TX Quad Port Dip Lan Transformer	
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.: LP5027NL	
		SCALE: 2/1	SHEET: 1/2	REV: A
			DWG NO.: LP10072706	

Mechanical:



REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010/07/27	



SUGGESTED PAD LAYOUT

NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. With various Turns Ratios.
4. RoHS "NL" peak solder rating 245°C.
5. UL Certification: File Number E484635.



X:X	±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0.25	CHKD:		
X:XXX	±0.05	DR: TOM	TITLE: 10/100/1000Base-TX Quad Port Dip Lan Transformer	
ANGLES	±1°	UNIT: mm	PART NO.: LP5027NL	
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP10072706